

行政院所屬各級機關出國報告
(出國類別：實習)

『台中配電自動化系統出國研習』報告

服務機關：台灣電力公司

出國人：職務：主管軟體 饋線資控員 饋線自動化施工員 資控維護員
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出國地區：美國

出國期間：89.11.22~90.01.14

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壹、出國目的：

台中區處為提高轄區配電系統供電可靠度，縮減停電時間及範圍，已於 87 年 10 月辦理「配電自動化新建工程」的系統建置發包工作，該工程主系統軟硬體皆由美國 ACS 公司提供。依原訂計畫及配合該公司工作進度，本公司此次派遣軟體及硬體各 2 位人員出國執行於美國亞特蘭大舉行之「第一階段工廠系統整合測試」，測試 ACS 公司產品之功能是否符合本工程之技術規範要求，並評估該系統是否已成熟穩定至可運送至台中區處進行後續安裝及下一階段之測試與運用。

貳、行程：

期 間	國家/城市/機構	工作內容
89/11/22 ~ 89/11/22	台北-洛杉磯-亞特 蘭大	往 程
89/11/23 ~ 90/01/12	亞特蘭大	第一階段工廠系統 整合測試
90/01/12 ~ 90/01/14	亞特蘭大-洛杉磯- 台北	回 程

參、心得與感想：

本次測試於 11 月 27 日進行啟動會議，隨後即依照經核准之測試程序書進行測試，ACS 公司共安排兩位專屬系統工程師及四位支援系統工程師參與 FAT 之進行。FAT 初期，每日皆依 FAT 啟動會議之協議進行測試；惟進行數日後，因測試遭遇之停滯愈來愈嚴重，如仍按照正式 FAT 之做法，除無法如期完成 FAT 外，亦無法協助其發現問題。顯見 ACS 準備不周，此系統尚不足以進行 FAT，遂向 ACS 提出抗議，經與 ACS 協商結果，雙方同意改變測試方式，改以兩組人員並行測試 SCADA 及 DAS 應用程式，並將此次測試定位為協助其發現目前之問題而非正式之 FAT，因此，當測試程序遇有程式 bug 或任何不合理之結果，僅記錄於 Variance Report，跳過相關測試程序逕行測試下一功能。另在 1 月 4 日接獲區處指示後於隔日進行一場會議告知 ACS 公司必須正視其系統之重大缺失，否則台電有可能動用停止合約之條款，以警惕 ACS 公司須投入更多資源以處理系統之缺失。最後，於回國前一日，將整個 FAT 過程中所面臨之主要問題及未來再次進行 FAT 應注意之事項向 ACS 公司表達台電之意見。

以下就於美國 ACS 公司進行測試之相關工作情形作說明。

一、相關會議

(一) 啟動會議 (紀錄如附件一)，會中討論內容摘要如下：

- 1、ACS 要求將 SYSTEM PERFORMANCE TEST 移至 FUNTION PERFORMANCE TEST 之前，台電以測試程序已正式核准在案且測試人員尚未熟悉該公司之系統為由拒絕變更，仍置於 FUNTION PERFORMANCE TEST 之後。
- 2、ACS 擬將 SCADA 及 DAS 應用程式並行進行 FAT 測試，因我方認為會相互干擾予以拒絕，僅同意 DAS 部分應用程式之間並行進行 FAT 測試。
- 3、ACS 為避免 STRUCTURE TEST 的測試程序及環境被破壞，我方同意 UNSTRUCTURED TEST 移至 INTEGRATED TEST 之後進行，但前提為 ACS 應同意 UNSTRUCTURED TEST 時間增加一週。
- 4、UNSTRUCTURED TEST 之前整個系統必須重新建立 (OS 及 THIRD PARTY 軟體除外)。
- 5、FUNTION PERFORMANCE TEST 之前須進行重新 RECOMPILE 所有程式之動作。
- 6、每日舉行 10~15 分鐘會議，確認 VARIANCE 及隔天工作重點。
- 7、每一 TEST SEGMENT 完成時不簽名認可，待 UNSTRUCTURED TEST 完成後再就相關 Test Segment 簽名認可。
- 8、ACS 須負責提供 UNSTRUCTURED TEST 之操作環境，供台電依技術規範之功能進行測試。
- 9、ACS 所提測試時程僅供參考，所需時間以台電測試實際時間為準，ACS 不得要求台電人員在預定時程內完成該項測試。
- 10、FAT 測試，台電人員將儘可能親自操作，乙方僅需提供必要協助。

11、ACS 須提供 VARIANCE 手抄本及 VARIANCE 輸入電腦之資料，供台電隨時查閱。

12、達成每日工作 10~12 小時共識，週六原則上仍工作。

(二)、期中會議（紀錄如附件二），會中傳達訊息如下：

- 1、FTU 不穩定，有時不可控制開關。
- 2、AIM 有無連接皆無訊號產生。
- 3、SCADA 軟體不穩定，常有應用程式鎖住無法操作現象。
- 4、須整合功能至配電圖資上。
- 5、GenMAP 至 SCADA 之資料轉檔，過程太複雜且費時過久。
- 6、資料於 Genmap 轉檔後全亂成一團，無法再進行 DAS AP 測試。
- 7、應派員至台中澈底解決 FTU 之問題。
- 8、解決去年 5 月台中 SACDA Demo 之後尚懸而未決之問題，否則台電可能動用解約條款。

(三)、總結會議（紀錄如附件三），會中傳達訊息如下：

- 1、ACS 並未充分準備即要求台電參與 FAT。
- 2、台電要求系統功能須整合於配電圖資。
- 3、提出評估報告，何時修復 Variance。
- 4、來台前，提出 1/29 來台之 Agenda。
- 5、重提送 Test Plan 及 Test Procedure。
- 6、下次 Unstructured test 須補足至二週。
- 7、務必改善 Data Conversion。
- 8、系統軟體版本管控應加強。
- 9、因問題過多，且系統不穩定，以致某些測試無法進行，故此次台電並無法將所有系統問題找出來，ACS 應徹底查驗系統後，再進行下一次之 FAT。
- 10、DPF 仍有問題存在，ACS 應徹底查驗，下次 FAT 須提供開關模擬器。

二、測試進行情形（工作日誌如附件四）

- （一）、硬體整合測試：本項測試以核對廠商所提供之硬體設備是否符合技術規範之要求，並輔以核對硬體清單之內容。
- （二）、軟體功能測試：本項測試分成三大部份 (1)SCADA (2)工程師應用軟體 (3)圖資數化資料庫轉檔。此項測試耗時過久，且問題層出不窮，為達成測試所有項目之目標，決定分組測試，除 FDIR 及 CBC 外，分成 SCADA 及工程師應用軟體兩組各別進行測試。
- （三）、系統執行效能測試：本項測試乃依據技術規範附錄 G 之模式，由 ACS 公司工程師預先設定好測試環境，再進行測試。
- （四）、隨機測試：即 Unstructured Test，由本公司人員自行操作，隨機測試，但因問題過多須等待 ACS 人員確認及處理，且保留與 ACS 討論的時間，致本項測試僅進行一週。
- （五）、整合系統測試：因前述軟體功能測試問題過多，且系統不穩定，故本項測試無法進行。

三、測試結果：

- （一）、測試期間計發現 Class 1 有 41 項，Class 2 有 154 項，Class 3 有 167 項，合計 362 個差異事項（Variance Log 如附件五），測試結果為不合格。
- （二）、測試期間發現嚴重影響測試之進行及系統運作者：
 - 1.FTU 不穩定，隔一段時間後電源必須 Reset 才能正常運作。
 - 2.系統不穩定，常有應用程式鎖住無法操作現象。
 - 3.GenMAP 至 SCADA 之資料轉檔，程序太複雜且費時過久，以 FAT 所用的工業區三所 S/S 資料量之轉檔作業需時一小時五十分，而前述三所 S/S 之資料量約僅為本案所有資料量的十五分之一；且因程序複雜，一旦操作錯誤，將造成資料混亂，影響系統運作。

4.工程師應用軟體部份，尚有 OSW 及 OCP 因下列原因無法完整測試。

OSW：測試範圍設計不當及 TP、DPF 程式有 BUG 致測試工作中止。

OCP：TP、DPF 程式有 BUG 致測試工作中止。

5.尚未測試整合系統測試，依據技術規範 7.7.4 之規定”TPC will not accept the DAS master station for shipment if more than one uncommanded functional restart, processor failover, or device failover has occurred.”因進行軟體功能測試期間，已發現其軟體常有鎖住現象，須另行 restart 方能進行其他測試，致本項測試無法進行。

肆、建議事項：

一、因本次 FAT1 並未完成，欲進行下一次 FAT1 須符合下述條件：

- (一)、提送修正後 FAT1 測試計劃及程序書並經台電審查通過。
- (二)、改善各項差異事項。
- (三)、提送 FAT1 之 Dry Run Report。

二、本案至完工驗收尚有下列重點工作亟待完成，仍須督促乙方在確保工程品質之條件下儘速趕工。

- (一)、FAT1。
- (二)、系統交運及安裝測試。
- (三)、FAT2
- (四)、現場更新期間（為期四個月）。
- (五)、現場接受測試。
- (六)、各項文件送審。
- (七)、辦理各項訓練。

Meeting Chairman: J. Lessans

Attendance

TPC: Wang, Yao-Ting; Liu, Rong-Chin; Chen, Shun-Ming; Pan, Jui-Tai

ACS: C. Caligan, R. Chou, D. Fields, C. Kachinske, J. Larsen, J. Lessans, D. Moore, G. Ockwell, M. Parr, B. Rameis, J. Sutterfield, D. Wayne

MELCO: M. Mitani

SEEC: Kao, Tsung-Che; Yang, Wen-Jung

Schedule

ACS and TPC agreed to the following sequence of tests, none of which will be conducted simultaneously:

1. Hardware Integration Test
2. Functional Performance Tests for SCADA
3. Functional Performance Tests for real-time advanced applications
4. Functional Performance Tests for study advanced applications
5. System performance test
6. Integrated System Test
7. Unstructured Tests

This plan is preliminary (for reference only) as the actual progress may differ.

ACS emphasized the preference to conduct unstructured tests after the conclusion of all structured tests so as not to disturb test environments, database, etc. TPC agreed to this approach and ACS agreed to allow up to 14 calendar days for unstructured tests. ACS and TPC agreed to work 10 to 12 hours per day.

Record-Keeping and Variance Reporting

Mr. Cliff Kachinske, ACS Quality Assurance Manager, presented the forms and logs to be used for recording the conduct of the tests and for recording variances. During each test, the ACS

engineer will record any variance by hand. All such variance reports will be submitted at the end of the day during a brief summary session. ACS will then enter reports in a database and later make type-written copies available for TPC verification.

TPC is not willing to sign the witness block of any test procedure until the completion of unstructured testing. However, TPC agreed to initial a log to indicate which particular test segments were conducted successfully. The initialing does not mean that the function meets all specification requirements, but rather that the particular test segment was conducted successfully as documented.

Miscellaneous

TPC engineers now present for FAT cannot resolve matters of disputed interpretation of the Technical Specification. TPC Project Manager Mr. Tang should be contacted if such a situation arises.

TPC requests to operate the system as much as possible with assistance from ACS, as necessary. For unstructured tests, ACS requests that TPC give ACS advanced notification of the nature of tests so that ACS can assist with necessary preparation of any special test environment and also make suitable experts available.

ACS agrees to re-compile ACS software from source code and to load the resulting binary object files on the system prior to the start of the Functional Performance Test. Prior to the start of unstructured testing, GenMAP will be re-installed and Oracle tables will be exported and then re-imported. TPC agrees that other 3rd party software may remain, that is, will not require deletion and re-installation.

Each day, there will be a brief meeting in the morning to review the plan of testing for the same day. There will also be a meeting at the end of each day to collect variance reports, note significant observations, raise questions, etc.

TPC requested that ACS make available a PC for their use (Chinese version).

DAS Project – FAT Progress Meeting Minute

1. Time: 05-JAN-01 11:00 AM.
2. Place: War Room, ACS HQ
3. Chairman: Mr., Wayne
4. Attending Members:
Party A:
TPC: Mr. Wang, Yao-ting, Mr. Liu, Rong-chin, Mr. Chen,
Shun-ming, Mr. Pan, Jui-tai
Party B:
Shihlin: Mr. Kao, Jerry
Mitsubishi: Mr. Tsukomoto
ACS: Mr. Lessons, Jay, Randy Chou
5. Meeting Purpose:
 1. To discuss ACS responsibilities in DAS project.
 2. Mainly, TPC has two major objectives, system stability and easy maintain system, for DAS project.

The system was stable while the test just started. However, the system became unstable after Christmas.

 1. FTU control became unstable. Namely, sometimes control command went through. However, some control commands could not go through after a short period of time.
 2. When AIM was disconnected from the FTU controller, no alarm message was reported to Masterstation. This test was done before, and alarm was produced. However, FTU showed no difference (no alarms) whether AIM was connected or disconnected from the controller.
 3. Unexpected alarms occur while testing. During the period of time when TPC representatives were testing the system, some unexpected alarms came in and interrupted FAT.
 3. The issues can be divided into three categories, DAS hardware, SCADA system, and Application Software.

A. **Items to be completed by the Supplier:**

1. FTU is unstable:

A. The control function of FTU does not show its stability:

Since the FTUs were shipped to TaiChung, FTUs have been had control problems. Also, FTU firmware has been changed many times, and without notifying TPC what caused the control problems and what kind of firmware changes have been applied.

B. During recent FTU test, when AIM was disconnected from the controller, no signals were passed to Materstation for alarming the operators. TPC believes that is very dangerous.

C. For hardware issues, problems might not be solely caused by ACS. However, TPC is willing to see all hardware firmly integrated as a workable system. Thus, it is suggested that ACS send its R & D hardware engineers to resolve FTU (and RTU) related issues in Taiwan and also prevent (and resolve) possible integration issues.

ACS response:

ACS is progress of resolving FTU controlling problems. ACS realizes the importance of FTU control issues. For the latest AIM-Controller related problems, ACS has successfully reproduced the control problem. ACS will also send R & D personnel to Taiwan when it is necessary.

2. SCADA is unstable and the functions are not integrated:

A. Operator Interface, OI, hanged up frequently during FAT. It has caused TPC representatives a lot of time for ACS to fix OI.

B. TPC is willing to have all functions integrated on the geographical display. The way ACS designed FAT procedures actually devised the functions into different sections. For TPC representatives, it is not easy to experience how all functions integrated. So that, the

functions can be easily used by end-users in the future.

- C. Database conversion processes are too complicated. TPC representatives have tested the database (DB) conversion procedures. The number of DB conversion processes is tremendous. Human errors can be easily introduced. In addition, the whole processes took 1 hour and 50 minutes to accomplish (all man-operating time was excluded). For now, FAT SCADA system only carries about 1/15 of the whole system. In the future, it could take more than one day to accomplish the daily maintain routines.

ACS Response:

ACS is trying the best to improve the stability of OI. In addition, ACS will integrate all functions on the geographical displays per TPC's end-user preference. However, conversation need to take place, so that ACS will be able to gather necessary information along with ACS technical personnel opinions to achieve an acceptable result. Also, ACS is working with Gentry to minimize the time and processes of database conversion.

Accomplishment:

ACS has automated part of the database conversion process. ACS is trying its best to accommodate TPC's requests.

3. Application Programs (AP):

- A. Connectivity was lost during database conversion process. After DB conversion, all Connectivity were lost which caused the interruption of executing application software. Thus, TPC representatives could only worked on APs with DB that might contain errors. ACS should make sure the validity of DB, Namely, ACS should provide errorless DB (after DB conversion) for AP testing.

ACS Response:

ACS has been being in the processes of examining DB. ACS realize the problem and will work this out alone with database conversion issues.

B. Issues that TPC concerns:

1. Because of the heavy delayed project schedule and unsatisfied accomplishment, J/V must work on their best and show TPC the goodwill. Otherwise, according to the project contract, TPC has the right and might consider the option of terminating DAS project.
2. After ACS's Demo at TaiChung in May, many issues have been generated. However, after 7 months, many issues are still pending for responses from ACS. ACS should promptly provide TPC responses according to issues generated from discussion.

9. Overall ACS Response:

ACS believes that a lot of progress has been made over the last year. As TPC representative witnessed, there is a now a working system. All units are in the field and many things have been shown to work. ACS believes that problems found are fixable. TPC's recognition that ACS is not far away to deliver a system working for TPC is highly appreciated.

ACS also hope that TPC recognize ACS's efforts and goodwill. The progress over last year and increased cooperation/communication are the proof that ACS is willing to provide a desired system to TPC. Although there are still many problems to overcome, ACS will do its best and hoping TPC's appreciation.

Attendance

TPC: Wang, Yao-Ting; Liu, Rong-Chin; Chen, Shun-Ming; Pan, Jui-Tai
ACS: D. Wayne, J. Lessans, R. Chou
MELCO: J. Tsukamoto, M. Mitani
SEEC: J. Kao

Chairman: Wang, Yao-Ting

1. The main purpose of this meeting is to discuss TPC conclusions after System Factory Acceptance Testing.
2. TPC feels that ACS did not adequately prepare for the FAT.
3. TPC expected to see an integrated system. For example, all functions would have been represented on a graphical display such as Display #20. Also, TPC wants menu displays to guide dispatchers to gain access to displays. TPC wants ACS to discuss the user interface with the ultimate TPC users so that ACS can best understand what is requested.
4. TPC requests that ACS prepare a report that shows estimates to resolve all variances that have resulted from FAT. TPC requests that ACS provides this report to TPC in advance of the forthcoming visit by ACS at the end of January.
5. TPC requests that ACS provide TPC with the agenda of the meetings now planned with TPC management for the end of January.
6. TPC must approve revised test plans/procedures prior to the next system FAT.
7. TPC could only spend approximately one week for the unstructured part of FAT, that is, less than the time allocated. This was because there were many problems encountered during unstructured testing that required interruption of testing to fix before tests could continue. Therefore, TPC requests a period of two weeks for the unstructured phase during the next FAT.
8. TPC feel that the main weakness of the system is the data conversion and database generation.
9. TPC also noted the problem that versions of software, database, displays, etc. were not uniform on all processors. The same function acted differently with different results when performed on different machines.
10. TPC may not have recorded all variances since there were limitations of time. ACS should verify the system against the Spec before the next FAT.
11. TPC believes there are many problems with Distribution Power Flow (DPF) and therefore suggests that ACS spend extra time checking DPF functionality and solutions.
12. TPC noticed that it was time-consuming and awkward to simulate control output and digital input (DI) functions for FTUs during this past FAT. In particular, the use of loose wires for DI caused unintentional intermittent contact. This resulted in confusing multiple status changes. TPC therefore requests that ACS provides a test fixture for each FTU to simulate control output and digital input functions and circuit breaker. This test fixture should be used for the next FAT.

13. TPC requests that for the next FAT ACS provides a means of simulating each of the 3-phase voltages and 3-phase currents at the FTUs, and that voltage magnitude, current and phase angle be independently adjustable to reflect the real TPC power network.
14. TPC is confused by the operation of the "control fail LED" on the FTU, which is actually used to indicate that the FTU detects a fault. TPC has seen that it works differently as installed now in Taiwan.

第一階段工廠整合測試工作日誌

日 期	內 容
89.11.27 上午	<p>1.進行 FAT 啟動會議，會中討論內容如下：</p> <ul style="list-style-type: none"> (1) SYSTEM PERFORMANCE TEST, ACS 要求移至 FUNTION PERFORMANCE TEST 之前，台電拒絕，仍置於 FUNTION PERFORMANCE TEST 之後。 (2) 原 ACS 擬將 SCADA 及 DAS 應用程式並行進行 FAT 測試，因我方認為會相互干擾予以拒絕，僅同意 DAS 應用程式之間並行進行 FAT 測試。 (3) ACS 為避免 STRUCTURE TEST 的測試程序及環境被破壞，我方同意 UNSTRUCTURE TEST 移至 INTEGRATED TEST 之後進行，但前提為 ACS 應同意 UNSTRUCTURE TEST 時間增加一週。 (4) UNSTRUCTURE TEST 之前整個系統必須重新建立 (OS 及 THIRD PARTY 軟體除外)。 (5) FUNTION PERFORMANCE TEST 之前須進行重新 RECOMPILE 所有程式之動作。 (6) 每日舉行 10~15 分鐘會議，確認 VARIANCE 及隔天工作重點。 (7) 每一 TEST SEGMENT 完成時不簽名認可，待 UNSTRUCTURE TEST 完成後再就相關 Test Segment 簽名認可。 (8) ACS 須負責提供 UNSTRUCTURE TEST 之操作環境，供台電依技術規範之功能進行測試。 (9) ACS 所提測試時程僅供參考，所需時間以台電測試實際時間為準，ACS 不得要求台電人員在預定時程內完成該項測試。 (10) VARIANCE 等級須經由台電決定。 (11) FAT 測試，台電人員將儘可能親自操作，乙方僅需提供必要協助。 (12) ACS 須提供 VARIANCE 手抄本及 VARIANCE 輸入電腦之資料，供台電隨時查閱。 (13) 達成每日工作 10~12 小時共識，週六原則上仍工作。
89.11.27 下午	<p>1.進行硬體整合測試</p> <ul style="list-style-type: none"> (1) packing slip 的硬體 part no. 及 serial no. 驗證工作，錯誤部份已要求更正並寫差異報告。 (2) 驗證 FAT 測試接線是否正確 (FTU 至 RTU、RTU 至主站等等)。 (3) 完成 Test Procedure 1.1~1.1.1 連交清單與硬體比對。 <p>2.與乙方進行 VARIANCE 資料核對。</p> <p>PM 8:00 結束</p>

日期	內容
89.11.28	<p>1.AM 8:00 參加 FAT 檢討會議，討論內容如下：</p> <p>(1) 差異報告核對。</p> <p>(2) FAT 起始會議紀錄經核對內容後，我方人員對 ACS 會議紀錄偏頗 乙方表達不滿，提醒其勿再犯同樣錯誤，並要求補紀錄下列三項 1. ACS 所提測試時程僅供參考，所需時間以台電測試實際時間為 準，ACS 不得要求台電人員在預定時程內完成該項測試。2. FAT 測試台電人員將儘可能親自操作，乙方僅需提供必要協助。3. ACS 須負責提供 UNSTRUCTURE TEST 之環境，供台電依 SPEC 進行 測試。</p> <p>2.AM 9:00 開始測試，測試期間曾面臨 R380 SEVER 應如何驗證問題(背 板貼 R390，前面液晶面板顯示 D380，最後由系統開機時偵測的版別 R380 及以 MODEL 指令驗證才解決。</p> <p>3.測試中發現很多的 Server 及 workstation 上的 Configuration 都不一樣需 重新調整，且 space 的空餘容量每部機器都不一樣造成很難驗證，已請 ACS 於晚上我方人員離去後(PM 9：30)再進行 hard disk 整理之工作。</p> <p>4.進行硬體整合測試 Segment 1.1.2~1.5.6 及 1.6.2~1.6.4 至 PM9:30 結束測 試</p>
89.11.29	<p>1.AM 8：00 ~AM9：00 開會討論 VARIANCE 及 FAT 工作執行時，要求 乙方人員不得再操作 FAT 電腦及相關設定。</p> <p>2.測試 1.6.1 及將 RECOMPLIER 後之軟體 COPY 至/USER/ACS/BIN·LIB 及相關目錄。軟體先改至 DAS-A SEVER 再透過 BLAST 之 SCRIPT 將 上述軟體複製至各 SEVER 及 WORKSTATION。</p> <p>3.AM9：00~PM1：30 共測 Test segment2.1.1~2.1.1.6 有下列幾爭議。</p> <ol style="list-style-type: none"> a. Panning 無法跨越邊界。 b. 配電圖檔從 GenMap 轉至 SCADA 系統時，畫面上顯示之字型大小及 位置會偏離原來位置，以致畫面混亂，難以辨識。 c.SCADA 非預期警訊產生，訊息為 CB 跳脫。 d. 系統當機發生數次。 e.在 SCADA 線路圖上尚未顯示中文。 <p>基於上述原因要求 FAT 暫停討論解決方法，經與乙方開會討論初步決定 如下：</p> <ol style="list-style-type: none"> a. panning 部份，經溝通後預定一週內解決。 b. 預定六週時間，在我方人員回台前解決。 c. 儘可能明日解決。(ACS 初步判斷是工作電壓太低) d. 可能為 Recompile 軟體後，版本不符，預計晚上前解決。 e. 預定六週時間，在我方人員回台前解決。

日期	內容
89.11.30	<p>1.ACS Mr. WAYNE 認為昨天問題 C 項已解決仍可進行，我方人員同意其意見，繼續進行 FAT 至下午，又發生非預期警報，及其警報內容有誤(開關座標錯誤)。因 SCADA 為所有應用功能之基礎，不能容許有錯誤發生或在錯誤基礎下測試，故要求中止 FAT 進行。</p> <p>2.晚上 E-MAIL FAT 初步報告回台中與唐課長及涂課長進行電話會議請公司決定下一步如何進行，預定 89.12.01 電話再連絡。 M 9:00 離去</p>
89.12.01	<p>1.ACS 書面授權同意台電人員於 FAT 中止期間允許台電人員使用 FAT 設備進行測試。</p> <p>2.AM8:30 進行 FDIR 程式非正式測試(Demo)，發現 MASTER STATION 先收到 CB LOCKOUT 信號再收到 FTU FAULT FLAG 訊號，FDIR 程式會判斷錯誤。PM1:00 繼續 Down stream 測試。</p> <p>3.PM6:00 與 ACS 開會，Mr.Wayne 認為錯誤警訊原因已找到，要求再進行 FAT，並將於 89.12.4 DEMO 發生問題的原因。</p> <p>4.PM8:00 與唐課長及涂課長進行電話會議請公司決定下一步如何進行。</p> <p>5.與公司會談結果，繼續進行 FAT。 PM 8:00 離去</p>
89.12.02	因 SCADA 警訊有誤，無法正確判斷測試工作是否正確，故本周末休息，待 ACS 修復。
89.12.03	周日休息
89.12.04	<p>1.Am 8:00 重新進行 FAT</p> <p>2.下午乙方證明唯有電流供應不足，DAS 才會產生錯誤警訊，電壓降低，RTU 會停止傳送訊息給主站。</p> <p>3.上午在測試 DISPLAY #20(本公司架空系統圖)畫面 Zoom In 時當機。</p> <p>4.嶺東 S/S POWER OFF 時無警訊產生，東海 S/S POWER OFF 時有不明警訊產生。</p> <p>5.2.1.1.14(D)TAG 搜尋畫面如未依程序關閉畫面，下一個搜尋將無法進行。</p> <p>6.2.1.1.15(A)8.FEP#1 關閉再立即投入產生一次 OFF-LINE 及 ON-LINE 訊息，關閉後待 OFF-LINE 訊息出現後再投入開關，產生二次 ON-LINE 及 OFF-LINE 訊息。</p> <p>7.本日 SCADA 進行至 2.1.3.12 PM 8:20 離去</p>

日 期	內 容
89.12.05	<p>由於此次 ACS 系統未充分準備且程式 Bug 太多，預期此次 FAT 無法如期完成正式 FAT 程序，需待此次 FAT 完成及修改 Bug 後再進行一次正式 FAT；ACS 亦同意此觀點。為加速系統驗證及找出錯誤，雙方同意 SCADA 及 DAS AP 並行測試。</p> <p>今日下列項目測完畢：</p> <ol style="list-style-type: none"> 1.TOPOLOGY PROCESSOR 及 LOAD ESTIMATOR 全部。 2.SCADA 進行至測試程序書 FORM ID QA-089-42 之 2.1.4.5。 <p>PM08：30 離去</p>
89.12.06	<ol style="list-style-type: none"> 1.SCADA 進行至 Test Segment 2.1.5.13。 2.DPF 進行至 TEST SEGMENT GENERAL FEATURES(B)完成。 3.在 DAS-A Server 進行 DPF 過程中，上午 8 點及 11 點左右各當機一次至完全不能執行。 4.下午 5 點，OI 畫面(DISPLAY #20)當機一次。 5.已連續數日 OI 畫面(DISPLAY #20)當機(此畫面與原 ACS 之 OI 界面不一樣，為新版本，易當機)。 <p>PM 7:30 離去</p>
89.12.07	<ol style="list-style-type: none"> 1.上午 8：00 在 DAS-A Server 進行 DPF 之測試不能進行，ACS 上午 8：45 修護完畢。 2.上午 9：00 DISPATCHER A 及 DISPATCHER B 有回報錯誤之不明警訊。 3.執行 DPF 時發現將一個開關 OPEN 及 CLOSE 後該開關之電流值完全相同，經查為 RTDB 與 ORACLE 資料未關聯，修正後再操作，未 OPEN 前資料及 OPEN 後再 CLOSE 電流資料不同，顯示程式有問題。 4.DPF 執行過之檔案儲存在 das-A，因下午 das-A 當機影響 DPF 執行進度。 5.DPF 剩 TEST SEGMENT (E)未執行。 6.SCADA 測試進行至 2.1.15.3 <p>PM 8:20 離去</p>
89.12.08	<ol style="list-style-type: none"> 1.DPF 測試完畢。 2.上午 PDF 做 PANING 時 DISPLAY #20 畫面當機。 3.SC 進行至 TEST SEGMENT(C) 4 SCADA 進行至 2.1.23。 <p>PM 7:40 離去</p>
89.12.09	<p>週六照常工作</p> <ol style="list-style-type: none"> 1.上午完成 SCA，繼續進行 PCN。 2.下午完成 PCN。進行至列印 PCN 時當機。 3.SCADA 進行至 2.1.32.25(2.1.31 未做)。 <p>PM 6:30 離去</p>

日期	內容
89.12.10	週日休息
89.12.11	<ol style="list-style-type: none"> 1.上午進行 OSW，因執行最佳開關切換之 Switch 清單，FAT 現場無 Switch 可供操作及程序書內容錯誤無法執行，改進行 OS 測試。 2.OS 測試完畢。 3.SCADA 進行至 2.1.36。 4.PM 6:00 進行 OCP 測試，遭遇資料庫及程式問題，ACS 人員無法立刻解決致暫停測試，待 R&D 部門隔日解決。 PM 6:30 離去。
89.12.12	<ol style="list-style-type: none"> 1.進行 SCADA 之 2.1.37、2.1.39 及 2.4 測試。 2.OCP 因資料庫及程式一直不斷產生問題，致測試斷斷續續，尚無法完成測試。(另 OSW 測試程序與實際狀況不符，需待修改程序)。 3.SCADA 測試小組測試工作已告一段落，待 DAS AP 測試小組完成 OCP 及 OSW，兩測試小組將併入一組進行 FDIR 及 CBC 之測試，然後進行 GenMap 圖資轉換至 DASDB 及 RTDB 之測試工作。 PM 5:30 離去。
89.12.13	<ol style="list-style-type: none"> 1.上午 9:00 進行 OCP 測試，依程序書進行測試不到十分鐘 OI 畫面即當機。 2.乙方修正 OCP 程式，發現錯誤原因為原程式設計"0"代表電容器 OPEN，"1"代表 IN TRANSIT，"2" 代表 CLOSE，誤植為"0"為 INVALID，"1"為 CLOSE，"2"為 OPEN，最後修正為"0" 代表電容器 OPEN，"1" 代表電容器 CLOSE。 3.因 OCP 文件內容有錯誤，難以依程序書執行，改由乙方人員執行測試工作，測試至 TEST SEGMENT(g)，程式執行產生錯誤訊息致測試工作停止，經檢討為程序書設計錯以修改程序書解決並測試完畢。 4.改在 REAL TIME 模式下進行 OSW 測試，測試完畢。 因下冰雨，怕路面結冰，故提早至 PM 5:40 離去。

日期	內容
89.12.14	上午乙方進行 FDIR 程式維修，至 AM： 11：30 才開始測試。 PM9：00 離去
89.12.15	1.今日進行 FDIR 測試，上午操作 HD22 CB 跳脫，DISPLAY#7 顯示之 CB TRIP 警訊時間與系統時間(OI 時間)相差約 5 分鐘，ACS 人員重新 DOWNLOAD RTU configuration。 2.通知乙方，甲方人員測試時乙方人員須在旁邊了解測試差異情況。 PM08：00 離去
89.12.16	週六休息
89.12.17	週日休息
89.12.18	1.上午 8：30 與 ACS 開會討論 FAT 差異報告內容，我方人員對 FAT 準備不夠週延及配合度不夠對 ACS 表達不滿，會議於 AM 10：00 結束。 2.上午 FDIR Structure 測試完畢。 3.上午 11：30 進行 CBC 測試，從 ACP 進入系統參數輸入資料時，該輸入畫面當機(連續二次)。 4.下午 12：30 X SEVER 出問題致 OI WINDOW 無法開啓，CBC 測試工作停止，下午 4：00 重新測試，4：30 又因變電所既有電容值無法變更而停止測試。 5.下午 5：40 確定因乙方程式設計考慮不週延致 DPF 之執行結果錯誤，CBC 無法繼續測試而停止本項測試。(ACS 設計人員未考慮 MAIN CB OPEN 時其饋線應視為 OPEN) PM7：30 離去
89.12.19	1.進行 SYSTEM PERFORMANCE TEST PM5：30 離去
89.12.20	1.SYSTEM PERFORMANCE TEST 測試完畢。 PM6：30 離去
89.12.21	1.進行 OSW 程式修改後之測試，仍因程式有問題於 11：30 停止測試(可能為 TP 有 BUG)。 2.下午進行 SCADA 2.1.31 之測試，因圖資轉換程式出問題而停止。 PM6：30 離去。
89.12.22	1.進行 DPF 之 UNSTRUCTURED TEST。 2.下午測試 SCADA 2.1.31，Display Generation & Management 測試，因 ACS 並未充分準備，故時有狀況產生，ACS 人員修修改改，測試不順利。 PM8：30 離去。

日 期	內 容
89.12.23	1. SCADA 之 2.1.31 及 2.1.38 Structure 測試完畢。 PM6：30 離去。
89.12.24	週日，ACS 公司全體員工放一週長假
89.12.25	耶誕節休假
89.12.26	ACS 公司休假，因此進行測試程序書測試內容與技術規範之比對。
89.12.27	ACS 公司休假，因此進行測試程序書測試內容與技術規範之比對。
89.12.28	ACS 公司休假，因此進行測試程序書測試內容與技術規範之比對。
89.12.29	ACS 公司休假，因此進行測試程序書測試內容與技術規範之比對。
89.12.30	周六休息
89.12.31	1.進行 UNSTRUCTURED TEST。 2.發現 G5050 圖資轉檔時發生錯誤。 PM6：30 離去
90.01.01	元旦休假
90.01.02	1. 進行測試程序書測試內容與技術規範之比對。 2. 進行 Display Generation 及 Creating Database 之 UNSTRUCTURE TEST，因 ACS 之前並未測試新增 Feeder Section 及 開關等動作，故我方人員測試時問題重重，測試非常不順。 3. 上午 11 點 DAS-A、DAS-B 當機，下午 3 點僅二台工作站可工作。 PM6：30 離去。
90.01.03	1.今天仍僅二台工作站可工作(ACP 程式無法驅動)及上次圖資轉檔時發生錯誤尚未更正完畢，UNSTRUCTURED TEST 進行不順利，大部份時間在等待乙方做圖資轉檔及 ACP 程式修護，直到 PM3：00 工作站才可全部使用，PM5：00 圖資轉檔錯誤才修正。 2.進行測試程序書測試內容與技術規範之比對。 PM7：00 離去。

日期	內容
90.01.04	<p>進行下列 UNSTRUCTURED TEST :</p> <ol style="list-style-type: none"> 1. Display Generation 2. Creating Database 3. DPF、SCA、OSW 執行完畢所需時間 4. 測試 DPF SAVE CASE SPACE. 5. 測試 SCA SAVE CASE SPACE. 6. 測試 RTU RESTRAT REPORT TO MASTER STATION. 7. 測試 RTU、FTU 設定為 LOCATE 時，由主站遙控操作，無法遙控時回報主站之訊息是否正確。 <p>PM7:00 離去。</p>
90.01.05	<ol style="list-style-type: none"> 1. 上午 MAINT-CT HEAD 0.0 OI WINDOW 無法開啓，直到 AM10:30 才解決。 2. AM11:00~PM01:30 與 ACS 開會討論舉行期中會議。 3. 進行第二章、第五章及第六章之 UNSTRUCTURED TEST。 <p>PM9:00 離去。</p>
90.01.06	週六休息
90.01.07	週日休息
90.01.08	<ol style="list-style-type: none"> 1. 上午進行第三章、第四章之 UNSTRUCTURED TEST。 2. 下午與乙方進行差異報告內容檢討及意見溝通。 <p>PM10:00 離去。</p>
90.01.09	<p>與乙方進行差異報告內容檢討及意見溝通。</p> <p>PM08:00 離去。</p>
90.01.10	<ol style="list-style-type: none"> 1. 與乙方進行差異報告內容檢討及意見溝通。 2. 與 GENTRY 及 ACS 討論 GENMAP 相關問題。 <p>PM08:00 離去。</p>
90.01.11	<ol style="list-style-type: none"> 1. 與乙方進行舉行總結會議。 2. 與乙方討論 DAS-AP MMI 內容。 <p>PM10:00 離去。</p>
90.01.12	<p>與乙方討論 SCADA MMI 內容。</p> <p>PM01:00 離去。</p>

TPC FAT Variance Log

Customer: Taiwan Power Co.

Job #: 6960

Number:	1	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Router Cabinet #2				
Description:	Rout_B_ICCP Router Serial # wrong, should be JAB840640Z3 not JAB84064023				
Number:	2	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Router Cabinet #2				
Description:	DVD ROM Part# wrong, should be C4315A not C6315A				
Number:	3	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Router Cabinet #2				
Description:	2 U Rack Mount Adapter needs to be moved from ICCP Data Link to Development Server.				
Number:	4	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA/CC	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Router Cabinet #2				
Description:	Need to list amount of memory, hard drive capacity, and CD ROM for HP Kayak XU800's				
Number:	5	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Server Cabinet #2				
Description:	15" Monitor Part # wrong, should be D2828-60521 not D2828A				
Number:	6	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	Caligan, QA	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Cabinet #2				
Description:	Need Chinese keyboards for PC's				
Number:	7	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Server Cabinet #2				
Description:	Mouse Serial # wrong, should be LZA94559701 not LZ94559701				

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Customer: Taiwan Power Co.

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Number:	8	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Server Cabinet #2				
Description:	PC keyboards part # wrong, should be C4742-60101 not SK-2511A				
Number:	9	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Server Cabinet #2				
Description:	Jukebox server hard drive should be listed as 9.0 GB Disk Drive not 9.0 Diskette				
Number:	10	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. Server Cabinet #2				
Description:	19" monitor part # wrong, should be D2842-60501 not D2842A				
Number:	11	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 I.C.C.P. DAS Cabinet #3				
Description:	Server type, memory and drive capacity will be verified after power apps test				
Number:	12	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Communications Cabinet #4				
Description:	B1000 Part # wrong, should be A4985A not A4985				
Number:	13	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Communications Cabinet #4				
Description:	Serial # for 2nd mouse missing Serial # is LZR94101098				
Number:	14	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	TR	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Communications Cabinet #4				
Description:	Motorola Modem Part # wrong, should be DS38FDOCAA not V.32.00				

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Number:	15	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Communications Cabinet #4				
Description:	Add Motorola Modem Serial #'s per attached sheet, some Serial #'s are missing				
	100682900	100683126	100682879	100683129	100685163
	100683154	100682999	100685000	100683640	100682871
	100683164	100684826	100683155	100683158	100683643
	100682869	100682875	100683168	100683344	100684913
	100682944	100683124	100649848	100682873	100643342
					100682899
Number:	16	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Oracle Cabinet #5				
Description:	DAT Drive serial # wrong, should be US60074468 not US60073662				
Number:	17	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 FEP Cabinet #6				
Description:	I/O switch wrong, Rev. level on packing slip should be 1 not 3				
Number:	18	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 FEP Cabinet #6				
Description:	Peripheral switch #2 - Serial # wrong, should be DA331059 not DA331058				
Number:	19	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Dispatcher Server A				
Description:	Change the word Server to Workstation, the same needs to be done for Dispatcher B, Maintenance DTS Instructor, Training Server, Large Screen, and Rear Projection Display.				
Number:	20	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Dispatcher B				
Description:	21" Monitor - Part # wrong, should be D2847-80011 not 2847				

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Number:	21	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance DTS Instructor				
Description:	21" Monitor - Part # wrong, should be D2847-80011 not 2847				
Number:	22	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance DTS Instructor				
Description:	Mouse Part # wrong, should be A4983-60101 not A4983-90101				
Number:	23	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	TR	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance DTS Instructor				
Description:	Packing List does not reflect deliverables, need to remove LAN Cable, DAT Drive, SCSI Cable and Power Cord from list.				
Number:	24	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Training Server				
Description:	21" Monitor Part # wrong, should be D2847-80011 not 2847				
Number:	25	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Printer (Customer Supplied)				
Description:	Serial # wrong, should be BTEY013847 not BTET013847				
Number:	26	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA/CC	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Printers (Customer Supplied)				
Description:	Need to list Jet Direct's				
Number:	27	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Rear Projection Display Server				
Description:	Need to change LAN Cable to Power Cord				

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Number:	28	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #2				
Description:	Need to add SCSI Terminators to list, one is missing.				
Number:	29	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #2				
Description:	Keyboard in not a Chinese keyboard.				
Number:	30	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #1				
Description:	Keyboard part # is wrong, should be A4983-60423 not A4983-60401 Keyboard serial # missing serial # is M9911000044.				
Number:	31	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #1				
Description:	Add SCSI Terminators to list.				
Number:	32	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #1 Item 2 - (4)				
Description:	Jet Direct Serial # wrong, should be SG01930132 not SG01930133				
Number:	33	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Engineering Application #1 Item 2 - (4)				
Description:	Epson Printer Serial # wrong, should be BTEY013650 not BTEY013760				
Number:	34	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 LAN Managcr				
Description:	21" Monitor Part # wrong, should be D2847 40501 not D2847				

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Number:	35	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:		Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 LAN Manager Item 1 - (11)				
Description:	Quantity wrong on HUB and Power Cord, should be 2 not 1				
Number:	36	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	TR	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 LAN Manager Item 1 - (11)				
Description:	Serial # wrong on second HUB, should be SG93961502 not SG94461163				
Number:	37	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance Center Server				
Description:	21" Monitor Part # wrong, should be D2847-60501 not 2847				
Number:	38	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance Center Server Item 1 - (11)				
Description:	Need to add Part # for HUB J3288A				
Number:	39	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 Maintenance Center Server Item 1 - (11)				
Description:	Add Serial #'s for HUBs, SG93961507, SG93961442				
Number:	40	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	QA	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 LAN Manager				
Description:	Remove LAN Cable from Packing List.				
Number:	41	Date:	11/27/00	Reported By:	Chris Caligan
Assigned To:	TR	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-41 (HIT) 1.1.1 FEP Cabinet #6				
Description:	Seven 070181 Cards Serial # wrong				

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Customer: Taiwan Power Co.

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Number: 42 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.5.4 Dial-Up Diagnostic CRT Port
 Description: Test is not valid, so was not done. Modify test procedure then will test.

Number: 43 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Lessans / Est. ACS Completion: 12/15/00 Customer Accept Date:
 MacFarlane Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.1.2 FAT Test Setup P. 1-1
 Description: Add HUB to LAN Manager on Sheet 4 and Packing Slip. Drawing # DB105983.

Number: 44 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Lessans / Est. ACS Completion: 12/15/00 Customer Accept Date:
 MacFarlane / QA Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.1.2 P. 1-1
 Description: Add printer to Eng. App. #2 on Drawing DB105983 Sheet 2 and place same Printer to LAN.

Number: 45 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: QA Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.1.2 P. 1-1
 Description: Add Printer to Maintenance Center on Drawing DB105983 Sheet 3 and add Printer to LAN.

Number: 46 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: QA Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.2.1 Front End Processor Pre-Test P. 1-2
 Description: PSI EPROM 03-1024 0.06 is wrong. Should be L03-1025 0.01 and H03-1025 0.01

Number: 47 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.2.1 Front End Processor Pre-Test P. 1-2
 Description: MMP in Chart should be MPM.

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Customer: Taiwan Power Co.

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Number: 48 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.2.2 Peripheral Switch Sub-assembly Pre-Test P. 1-3
 Description: Ref. Drawing # wrong. Should be DA105653 not DA105647. Also add drawing to test procedure.

Number: 49 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.2.1 Front End Processor Pre-Test P. 1-2
 Description: Ref. Drawing # wrong. Should be DA105653 not DA105647. Also add drawing to test procedure.

Number: 50 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.2.5 Printer Terminal Pre-Test P. 1-4
 Description: Need to add two printers to chart.

Number: 51 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Lessans Est. ACS Completion: 1/5/01 Customer Accept Date:
 Complete? No Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.2.4 HP Programming Terminal Pre-Test P. 1-4
 Description: List of Del. shows 9.2 GB drive in Autoraid, should be 9.1 GB drive.

Number: 52 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Lessans Est. ACS Completion: 1/5/01 Customer Accept Date:
 Complete? No Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.2.4 HP Programming Terminal Pre-Test P. 1-4
 Description: List Del. Needs to say that Autoraid is supplied with six hard drives of 9.1 GB capacity each, not total capacity of 46 GB.

Number: 53 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: JL Est. ACS Completion: Customer Accept Date:
 Complete? No Class: Class 3

Cust Spec Ref: 5.2.6
 FAT Ref: QA-089-41 (HIT)
 Description: HP console measures 12", Spec. says that console should be 14".

Number: 54 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-41 (HIT) 1.3.8 Local RTU Power Supply Output Voltages P. 1-7
 Description: Remove the minus sign from I24VDC.

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Number:	55	Date:	11/28/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.4.6 Workstation Startup
Description: LAN Manager does not need SCADA started.

Number:	56	Date:	11/28/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.4.7 Jukebox Server startup
Description: Jukebox Server does not need Scada started.

Number:	57	Date:	11/28/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.5.1 Visual Display Unit (VDU) Operation P. 1-11
Description: DAS Server A, DAS Server B, Development Server do not have color VDU's and should not have been in this test.

Number:	58	Date:	11/28/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.6.1.2 Spare Capacity P. 1-14
Description: Need to put lines in chart where info. does not apply.

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Number: 59 Date: 11/28/00 Reported By: Chris Caligan
 Assigned To: TR Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-41 (HIT) 1.1.1 FEP Cabinet #6

Description: Packing Slip needs to reflect the change out of the 070198 card for 070214 cards.
 See Below:

Unit	Part #	Drawing #	REV.	Serial #
F.E.P. # 1,2,3,4				
MPM PSI PROM	070214	DA070214	0	956, 953, 948, 1013, 265 266, 139, 183 LO3-1025 0.01 HO3-1025 0.01
F.E.P. # 5,6,7,8				
MPM PSI PROM	070214	DA070214	0	1011, 1009, 1010, 1002 186, 160, 127, 158, LO3-1025 0.01 HO3-1025 0.01
F.E.P. # 9, 10, 11, 12				
MPM PSI PROM	070214	DA070214	0	950, 971, 969, 1026 122, 263, 136, 129, LO3-1025 0.01 HO3-1025 0.01
F.E.P. # 13, 14, 15, 16				
PSI PROM	070214	DA070214	0	157, 159, 124, 128 LO3-1025 0.01 HO3-1025 0.01
F.E.P. (HOT STAND-BY) # 1,2,3,4				
MPM PSI PROM	070214	DA070214	0	963, 956, 961, 1020 161, 123, 126, 152 LO3-1025 0.01 HO3-1025 0.01

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Customer: Taiwan Power Co.

Job #: 6960

Number:	60	Date:	11/29/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.1 VDU Capability P. 2-2				
Description:	Test says to select HK-22 but should be HK-24.				
Number:	61	Date:	11/29/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.6 Area Assignment Operation P. 2-4				
Description:	In Item (D), area should include 13, and 23 also.				
Number:	62	Date:	11/29/00	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT)				
Description:	Getting false alarms from NTU's. False alarms can mislead the dispatcher.				
Number:	63	Date:	11/29/00	Reported By:	Chris Caligan
Assigned To:	Caligan / QA	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.5				
Description:	Unexpected OI window crashes during test of Item (G).				
Number:	64	Date:	12/4/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield / Zhang	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.5 Standard Displays and Examples P. 2-3				
Description:	OI locks up while panning and zooming. This after increasing RAM to 512 MB from 128 MB.				
Number:	65	Date:	12/4/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	12/8/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.14 System Report Summaries Item (D) P. 2-7				
Description:	When running tag report a second time, the search button grayed out.				

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Number: 66 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing Item (A-4) P. 2-7
 Description: Got a Accum Freeze alarm. Expecting only a comm status alarm.

Number: 67 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Caligan / Foster Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing Item (A-8) P. 2-7
 Description: When FEP is powered up, getting multiple on-line, off-line messages.

Number: 68 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 1/5/01 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing
 Description: Font size changes on print-out from laser printer.

Number: 69 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing P. 2-7
 Description: Alarm report window size is irregular.

Number: 70 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: 12/15/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing P. 2-7
 Description: Tag types are different on tag reports from event reports. "MO" tag is not in the tag report.

Number: 71 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/22/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.1.15 Event and Text Printing Item (D) P. 2-7
 Description: Change order of report summaries (Intest) to match order of window menu.

Number: 72 Date: 12/4/00 Reported By: Chris Caligan
 Assigned To: Murphy / Chou Est. ACS Completion: 1/12/01 Customer Accept Date:
 Complete? No Class: Class 1

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.2.1 RTU/FTU Master Communication & Error detection.
 Description: FTU Comm channel status & individual FTU Comm status cannot be detected

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Number:	73	Date:	12/4/00	Reported By:	Chris Caligan
Assigned To:	Caligan / Edwards	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.2.2 RTU Control Subsystem				
Description:	No alarm when RTU/FTU switched to local mode.				
Number:	74	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Caligan, Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.2.3 RTU Status Subsystem P. 2-8				
Description:	When a control command was sent to HK-24CB the Comm. Status changed for the RTU.				
Number:	75	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Bishop	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.1.2.4 RTU Analog Input Subsystem P. 2-8				
Description:	High operational limit set too low. Needs to be changed to original value.				
Number:	76	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.2.5 RTU Input Power Fail/Recovery P. 2-9				
Description:	When the Motorola Modem is disabled the RTU Comm. Status does not change.				
Number:	77	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Test Segment "B" of TP (QA-089-21)				
Description:	Segment on Display 5334 did not get drawn as Dynamic Object. It is currently a Background Object.				
Number:	78	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield, Yan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) All Test Segments of TP				
Description:	Invalid messages should not appear in ACP window. Diagnostic points cause TP to display invalid point type messages.				

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Number:	79	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels, Hill	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Test Segment "C"				
Description:	Test step 2.7 should reference Table D4, not D3.				
Number:	80	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Test Segment "C3"				
Description:	Multiple segments on displays 5333, 5334, 5338 need to overcome overwriting problem.				
Number:	81	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels, Hill	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Test Segment "C3"				
Description:	Step 3.3 needs to reference Table D4, not Table D3.				
Number:	82	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Segment "C4"				
Description:	Tracing continues past switch.				
Number:	83	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:		Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.2.5 RTU Input Power Fail/Recovery P. 2-9				
Description:	In the test procedure the Power Fail Flag needs to be changed to Comm. Status.				
Number:	84	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Caligan, Chou	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.2.5 RTU Input Power Fail/Recovery				
Description:	Get RTU power fail detected alarm when RTU is powered back up.				

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Number:	85	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield, Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-21 (TP) Test				
Description:	TP cannot be run in study mode.				
Number:	86	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Calligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.3.1 Data Acquisition P. 2-10				
Description:	Secondary RTU Comm. Channel does not always show the true status of Comm. Channel.				
Number:	87	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.3.1 Data Acquisition				
Description:	Cannot scan inhibit NTU's. Master Station says that NTU is scan inhibited but still get alarms and can operate control points.				
Number:	88	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.3.1 Data Acquisition P. 2-10				
Description:	Cannot scan inhibit FTU's. Master Station says that FTU is scan inhibited but can still get alarms and operate control points.				
Number:	89	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.3.1 Data Acquisition Item (E) P. 2-10				
Description:	Demand Scan does not return the FTU information correctly.				
Number:	90	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Chou, Ramels, Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.4.1 Data Retrieval P. 2-12				
Description:	FTU not properly set up.				

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Number:	91	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Caligan, Edwards	Est. ACS Completion:	12/18/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1

Cust Spec Ref:

FAT Ref: QA-089-42 (FPT) 2.1.4.1 Data Retrieval P. 2-12
Description: When adjusting input to FTU, telemetry point got a SW CTRL On/Off alarm.

Number:	92	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-22 LE Test Segment "A", Steps 3, 4, 6, 7
Description: Remove "and Zone" from "System and Zone information".

Number:	93	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-22 LE Test Segments "C.1", steps 1, 2
Description: Remove "and Zone" from "System and Zone information".

Number:	94	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-22 LE Test Procedure "C-2", Steps 1, 2
Description: Remove "and Zone" from "System and Zone information".

Number:	95	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-22 LE Test Segment "E", Steps 1, 5
Description: Remove "and Zone" from "System and Zone information".

Number:	96	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3

Cust Spec Ref:

FAT Ref: QA-089-22 LE Test Segments "F", Step 1
Description: Remove "and Zone" from "System and Zone information".

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Number:	97	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-22 LE Test Segment "G", Step 1				
Description:	Remove "and Zone" from "System and Zone information".				
Number:	98	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels, Hill	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-22 LE Test Segment "A", Step 18				
Description:	Change reference to Display 20 from 21.				
Number:	99	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-22 LE Test Segment "D"				
Description:	TPC did not supply non-conforming load curve. Need to create for test segment D through MML.				
Number:	100	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield, Yan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-22 LE Test Segment "E"				
Description:	Using flow meas. for HK27, two loads did not have O's. G5050BD500001, G5050CD360001				
Number:	101	Date:	12/5/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-22 LE				
Description:	XFMR G4949HB880001 has load input on A & B phase; however, the transformer only supplies load on C phase.				
Number:	102	Date:	12/5/00	Reported By:	Chris Caligan
Assigned To:	Chou	Est. ACS Completion:	12/18/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.4.2 Operational High/Low Limits & 2.1.4.3 Emergency High/Low Limits P. 2-12				
Description:	Alarms did not print on alarm printers.				
Number:	103	Date:	12/6/00	Reported By:	Chris Caligan
Assigned To:	Chou, Bishop	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.4.6 Permanent Alarm P. 2-13				
Description:	Database was set up wrong for test.				

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Number: 104 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/22/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.4.11 Alarm Filtering by Area Assignment p. 2-14
 Description: Need to add area 13 and 23 to test procedure.

Number: 105 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Caligan Est. ACS Completion: 12/22/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.4.12 Scheduling a Script P. 2-14
 Description: Scheduler starts and runs but Script does not run.

Number: 106 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Chou, Bishop Est. ACS Completion: 12/18/00 Customer Accept Date:
 Complete? Yes Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.5. VDU Capability P. 2-16
 Description: Target (CB15) for display selection missing from map.

Number: 107 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Murphy, Chou Est. ACS Completion: 1/12/01 Customer Accept Date:
 Complete? No Class: Class 3

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.5.12 Quality of Telemetered Data P. 2-19
 Description: Does not mark all points as old data.

Number: 108 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Chou, Edwards Est. ACS Completion: 12/22/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.5.13 Alarm Inhibit P. 2-20
 Description: Half-scale input voltage does not give a half scale reading on master station.

Number: 109 Date: 12/6/00 Reported By: Chris Caligan
 Assigned To: Chou, Bishop Est. ACS Completion: 12/18/00 Customer Accept Date:
 Complete? Yes Class: Class 2

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT) 2.1.5.13 Alarm Inhibit P. 2-20
 Description: Placing and removing alarm inhibit tag did not print on event printer.

Number: 110 Date: 12/7/00 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: 1/12/01 Customer Accept Date:
 Complete? No Class: Class 1

Cust Spec Ref:
 FAT Ref: QA-089-42 (FPT)
 Description: When opening OI Device #30, get a T2 kw normal alarm on some devices, normal alarm on other devices.

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Number:	111	Date:	12/7/00	Reported By:	Chris Caligan
Assigned To:	Chou	Est. ACS Completion:	12/18/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.6.1 KVA Calculation P. 2-21				
Description:	KVA calculated wrong. Need to use Formula #51.				
Number:	112	Date:	12/7/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.6.1 KVA Calculation P. 2-21				
Description:	Formula table shown in VDE is wrong.				
Number:	113	Date:	12/7/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.7 Historical Data Capture/Report Writer Test P. 2-20				
Description:	Setup script gives an error. Script to archive files to tape will not run.				
Number:	114	Date:	12/7/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.9 Database File and Display File Editor Functions.				
Description:	OI window locked up. Could not complete this test procedure.				
Number:	115	Date:	12/8/00	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.16 Backup Comm. Channel Processing P. 2-33				
Description:	Comm. stats do not reflect true state of comm. channel.				
Number:	116	Date:	12/8/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.16 Backup comm. Channel Processing.				
Description:	Add dial-up modem test to procedure.				

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Number:	117	Date:	12/8/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.17.1 Restricted Access				
Description:	Area assignment for display 93555 was not set correctly.				
Number:	118	Date:	12/8/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.22 Non-Telemetered Data P. 2-41				
Description:	Pseudo point not set up correctly.				
Number:	119	Date:	12/8/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.23 Excessive Operation Test P. 2-42				
Description:	Trip count limit does not get initialized in RTDB.				
Number:	120	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure.				
Description:	Change all references from "System and Zone Information" to "System Information".				
Number:	121	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Test Segment "B"				
Description:	"C" phase transformed was changed to A & B phase. Same as LE.				
Number:	122	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure (Application).				
Description:	For phase angle, if no value for phase, leave entry blank or null or no data.				
Number:	123	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Test Segment "B", "C", "D", "E", "F"				
Description:	Change node 10 in document to G505000199 in table.				

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Number:	124	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) All Forms				
Description:	Do not make search "case sensitive" in the forms. Example: HK750 vs. hk750 should search correctly.				
Number:	125	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure				
Description:	Want to be able to search by Feeder Name alone, not have to enter substation name to perform Feeder Search on all forms.				
Number:	126	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Test Segment "E"				
Description:	Open switch in OI does not update DASDB.				
Number:	127	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Fernandes	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure.				
Description:	Allow ability to change paper size when printing Oracle form.				
Number:	128	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Fernandes	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure.				
Description:	Should have option to print list of selected form, not just get a screen capture of the display.				
Number:	129	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure.				
Description:	SCADA time and HP time are different.				
Number:	130	Date:	12/8/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-25 (DPF) Entire Procedure.				
Description:	Saved cases should automatically be blasted to all machines running ACP in case of failover.				

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Number: 131 **Date:** 12/8/00 **Reported By:** Brian Ramels
Assigned To: Sutterfield **Est. ACS Completion:** 1/12/01 **Customer Accept Date:**
Complete? No **Class:** Class 2

Cust Spec Ref:
FAT Ref: QA-089-25 (DPF) Test Segment "E"
Description: DPF remained checked out after program terminated ACSPS still showed it running, thus, it could not be restarted.

Number: 132 **Date:** 12/8/00 **Reported By:** Brian Ramels
Assigned To: Sutterfield, Yang **Est. ACS Completion:** 12/15/00 **Customer Accept Date:**
Complete? Yes **Class:** Class 3

Cust Spec Ref:
FAT Ref: QA-089-25 (DPF) Test Segment "D"
Description: Too many open forms produced open cursor error.

Number: 133 **Date:** 12/9/00 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** 12/22/00 **Customer Accept Date:**
Complete? Yes **Class:** Class 2

Cust Spec Ref:
FAT Ref: QA-089-42 (FPT) 2.1.33 1000 Alarm Test P. 2-62
Description: Alarms generated could not be found in event report.

Number: 134 **Date:** 12/9/00 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** 1/12/01 **Customer Accept Date:**
Complete? No **Class:** Class 1

Cust Spec Ref:
FAT Ref: QA-089-42 (FPT) 2.1.28 Sticky Notes P. 2-37
Description: When you try to append to a sticky note the OI window locks up.

Number: 135 **Date:** 12/9/00 **Reported By:** Brian Ramels
Assigned To: Ramels **Est. ACS Completion:** 12/22/01 **Customer Accept Date:**
Complete? Yes **Class:** Class 3

Cust Spec Ref:
FAT Ref: A-089-24 (SCA) Test Segment "H"
Description: Test procedure has blank steps for 7 - 11. Please remove.

Number: 136 **Date:** 12/9/00 **Reported By:** Brian Ramels
Assigned To: Ramels **Est. ACS Completion:** 12/22/00 **Customer Accept Date:**
Complete? Yes **Class:** Class 3

Cust Spec Ref:
FAT Ref: A-089-24 (SCA) Entire Procedure
Description: Change all instances of "System and Zone Information" to "System Information".

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Number:	137	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	A-089-24 (SCA) Test Segment "A"				
Description:	Change reference from "DAS Form" to "DASDB Management".				
Number:	138	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	A-089-24 (SCA)				
Description:	SC limits are scaled incorrectly. Need to divide all SC limits by 1000 in the line output table.				
Number:	139	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) PCN Test Segment "A" Step 4.				
Description:	Change reference from HK26 to HK27.				
Number:	140	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) Test Segment "B" Step 3.				
Description:	Change reference from Vertical Ruler to Scroll Bar.				
Number:	141	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) Test Segment "B"				
Description:	Fault currents appeared incorrect for feeders with no fault.				
Number:	142	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	When change manufacturer and model type, selection, and draw, you get warning.				

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Number:	143	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield, Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	Want ability to add new manufacturers with new curves				
Number:	144	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/30/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	Put print dialog box in "File" menu.				
Number:	145	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/30/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	Need print defaults & print dialog box.				
Number:	146	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/30/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	Tap setting and Curve setting for fuse should be desensitized.				
Number:	147	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) Test Segment "B" Step 11.				
Description:	Change G4950HC170001 to G5050BC840001 and respective feeder to HK27.				
Number:	148	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) Test "B" Step 13.				
Description:	Change 4950 to 5050.				

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Number:	149	Date:	12/9/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN) Segment "B" Step 14.				
Description:	Change G4950HC170001 to G5050BC840001.				
Number:	150	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/30/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-29 (PCN)				
Description:	PCN should warn that another user is using the program in that mode and not allow it to be aborted.				
Number:	151	Date:	12/11/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.30 ACS SCADA Reports.				
Description:	Run report script missing.				
Number:	152	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Procedure				
Description:	"Active" status search does not work properly.				
Number:	153	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "A"				
Description:	Change "Bytim" to "Bytime" on OS form.				
Number:	154	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Procedure.				
Description:	The outage schedule edit form should not allow saving unless start time and end time are entered with correct data.				
Number:	155	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "A" Step 8.				
Description:	Change "Close....." to just "Close".				

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Number:	156	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield, Fernandes	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "B".				
Description:	Print should print list, not just screen capture.				
Number:	157	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "C" Step 5.				
Description:	(Item Numbers) steps, need to be reset and sequential.				
Number:	158	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/30/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "B".				
Description:	Remove checking of node vs. substation and feeder to allow outage schedule of more than one feeder.				
Number:	159	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS) Test Segment "E" Step 4.				
Description:	Change G4947AE190001 to G4947AE790001				
Number:	160	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS)				
Description:	Would like to search by feeders affected from the outage scheduler form.				
Number:	161	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS)				
Description:	Manual updated points do not get imported into switch order.				

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Number:	162	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Larsen	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-27 (OSW)				
Description:	No message printed when control issue by optimal switching (on event printer).				
Number:	163	Date:	12/12/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.39 DNP 3 Protocol Verification				
Description:	The objective is wrong.				
Number:	164	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield / Yang	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-30 (OS)				
Description:	Affected devices not always updated.				
Number:	165	Date:	12/12/00	Reported By:	Jim Edwards
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.39 DNP 3 Protocol Verification				
Description:	Objective does not match the test itself.				
Number:	166	Date:	12/12/00	Reported By:	Jim Edwards
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.37 AIM Fault Test				
Description:	AIM (S/N #: 670097) was taken for use with another FTU and was replaced with AIM (S/N #: 673365). Correct one is (S/N #: 673365)				
Number:	167	Date:	12/12/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.35 Maintenance & Test Mode P. 2-65				
Description:	Should be display 97501 not display 050.				

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Number:	168	Date:	12/12/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.35 Maintenance & Test Mode P. 2-65				
Description:	Test mode indication did not show up.				
Number:	169	Date:	12/12/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.35 Maintenance & Test Mode P. 2-65				
Description:	Test mode did not work correctly because of FEP.DEF file.				
Number:	170	Date:	12/12/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.4 Master System Spare Part Substitution Test.				
Description:	Show all CPS's did not show proper state of machines.				
Number:	171	Date:	12/13/00	Reported By:	Chris Caligan
Assigned To:	Murphy/Edwards	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.39 DNP3 Protocol Verification				
Description:	Object 23 Var. 0, unknown object message between Master Station and RTU.				
Number:	172	Date:	12/13/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Sutterfield, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:	QA-089-42 (FPT) 3.5 Alarms 3.7.3.11 Comm. Online Displays				
FAT Ref:					
Description:	Cannot see RTU-FTU Comm. Channel Status				
Number:	173	Date:	12/13/00	Reported By:	Chris Caligan
Assigned To:	Murphy, Sutterfield, Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:	QA-089-42 (FPT) 3.5 Alarms, 3.7.3.11 Comm. Online Displays.				
FAT Ref:					
Description:	Cannot see Individual FTU Comm. Status.				

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Number:	174	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 (OCP) Optimal Capacitor Placement				
Description:	Provide the print function of "Optimal Capacitor Position"				
Number:	175	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement				
Description:	Change OCP Plan (Window) to include Phase Indicators for AMPs and PF.				
Number:	176	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement				
Description:	Change OCP Plan (Window) to Truncate Low and High Voltage to a Precision of 3.				
Number:	177	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement				
Description:	Change OCP Plan (Window) to Increase size of node boxes.				
Number:	178	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement				
Description:	Change Table C1 to give appearance of OCP Plan.				
Number:	179	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segment "B"				
Description:	Prepare Realtime saved case for Retrieval in study mode.				
Number:	180	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segment Step 11.b				
Description:	Change Reference G4948000196 to G4948000193				

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Number:	181	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segment "C", Step 11.F				
Description:	Change Node IDX to 3934				
Number:	182	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segment "C", Steps 5 - 15				
Description:	Change all instances of capacitor G4948GB360001 to G4948AA900001.				
Number:	183	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Fan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segment "C"				
Description:	After moving Capacitor to recommended location, OCP was re-run. Instead of turning on new capacitor, it moved another (recommend) and turned it on.				
Number:	184	Date:	12/13/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-23 OCP Optimal Capacitor Placement, Test Segments "F" & "G"				
Description:	F and G cannot be run.				
Number:	185	Date:	12/14/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/22/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:	QA-089-42 (FPT) 2.2.6.3 Control Inhibit				
FAT Ref:					
Description:	CL tag works but does not show up on map.				
Number:	186	Date:	12/14/00	Reported By:	John Larsen
Assigned To:	Sutterfield / Yan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) FDIR Test Segment "D"				
Description:	FDIR Down Stream delay timer should start at completion of FDIR Up Stream app.				

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Number:	187	Date:	12/14/00	Reported By:	John Larsen
Assigned To:	Larsen	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) FDIR Test Segment "D"				
Description:	When FDIR Up Stream finished, FDIR Down Stream created two identical plans instead of just one.				
Number:	188	Date:	12/14/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) FDIR Test Segment "D"				
Description:	While performing this test segment, ACP panel locked up. Only tested to Step 11.				
Number:	189	Date:	12/14/00	Reported By:	Chris Caligan
Assigned To:	Caligan, Bishop, Edwards	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:	QA-089-42 (FPT) 5.3.4.1 FTU Functional Requirements				
FAT Ref:					
Description:	Fault detector duration is not adjustable.				
Number:	190	Date:	12/14/00	Reported By:	Chris Caligan
Assigned To:	Caligan, Larsen	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) FDIR Test Segment "D"				
Description:	Fault flag was not produced when fault current is caused by a quick occurrence.				
Number:	191	Date:	12/15/00	Reported By:	John Larsen
Assigned To:	Larsen	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-27 (OSW)				
Description:	OSW Operating Device that cannot be operated.				
Number:	192	Date:	12/15/00	Reported By:	John Larsen
Assigned To:	Larsen	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:					
Description:	Switch order does not identify devices.				

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Number:	193	Date:	12/15/00	Reported By:	John Larsen
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:	QA-089-27 (OSW)				
FAT Ref:					
Description:	OSW did not provide solution with less loss of power. (Did not pull status change from OI) when Ind bconn = RTDB				
Number:	194	Date:	12/15/00	Reported By:	John Larsen
Assigned To:	Larsen	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-27 (OSW)				
Description:	Test procedure's study scope - "Feeder" is inconsistent with the fact. Please rewrite the OSW test procedure.				
Number:	195	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	Time stamp on alarm does not match SCADA time.				
Number:	196	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	12/15/00	Customer Accept Date:	
		Complete?	Yes	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	Got unexpected alarms on master station while downloading configuration to RTU.				
Number:	197	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 FDIR Test Segment (5)				
Description:	Upstream can isolate but cannot restore.				
Number:	198	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield, Yan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-26 FDIR Test Segment "I"				
Description:	FDIR needs to send a message when FDIR cannot create a plan for restore of power.				
Number:	199	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield, Yan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 FDIR Test Segment "J"				
Description:	HK-27 cannot isolate downstream between first FTU and CB. Should not try anything.				

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Number:	200	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Larsen	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-080-26 FDIR Test Segment "K"				
Description:	HK-24 cannot isolate.				
Number:	201	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Larsen	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA 089-26 FDIR Test Segment "L"				
Description:	Cannot isolate downstream switch.				
Number:	202	Date:	12/15/00	Reported By:	Chris Caligan
Assigned To:	Larsen	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:					
Description:	FDIR restored upstream power for HK-26, but did not present a plan for downstream restore of power.				
Number:	203	Date:	12/11/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	Segment "B" Step "3"				
Description:	Change reference from "Feeder" to "Substation".				
Number:	204	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Larsen	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) Test Segment "Q"				
Description:	fdir_d from OI window failed to produce downstream switch plan. Test Segment "Q".				
Number:	205	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Chou	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) Scada & FDIR				
Description:	Verify OP bits are set correctly in database.				
Number:	206	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA089-26 (FDIR)				
Description:	Set function mode def to be fdir_d instead of Fdir_d.				

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Number:	207	Date:	12/18/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	OI Window locked up. Closed that window but could not open another OI window.				
Number:	208	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) & SCADA				
Description:	Storm mode should suppress all audible alarms.				
Number:	209	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield, Yan	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR)				
Description:	When switch is open and the fault flag is high, FDIR does not reset the fault flag.				
Number:	210	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR)				
Description:	Too many steps to put FDIR into and out of storm mode.				
Number:	211	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	
Cust Spec Ref:					
FAT Ref:	QA-089-22 (LE)				
Description:	LE improperly updating capacitor input form (CBCCTRL) field.				
Number:	212	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-25 DPF				
Description:	Would like a message displayed when trying to run an invalid power flow.				
Number:	213	Date:	12/18/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-0890-24 (CBC)				
Description:	Since DPF cannot come up with the right solution for CBC, have stopped the CBC test procedure.				

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Number:	214	Date:	12/18/00	Reported By:	Brian Ramels
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-26 (FDIR) Test Segment "N"				
Description:	Tried fault on CB15. Could not get downstream from DE10. Could only get downstream from BC39.				
Number:	215	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	3.4 Verify Periodic Integrity Scanning				
Description:	After an integrity scan the OD flag remains on the status points.				
Number:	216	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-32 (SPT) 3.5 Verify Display Retrieval Response				
Description:	Display 18 does not have 30 display linkages.				
Number:	217	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-32 (SPT) 3.8 Verify Scaling and Translation Response				
Description:	Panning is not smooth.				
Number:	218	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-32 (SPT) 3.8				
Description:	When panning the lines get warped.				
Number:	219	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-32 (SPT) 3.11 Video Hard Copy				
Description:	OI locked up while trying to print map overview. (Display 20)				
Number:	220	Date:	12/20/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-32 (SPT) 3.11 Video Hard Copy				
Description:	After printing Display 18 one time could not print the display again.				

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Number:	221	Date:	12/20/00	Reported By:	John Larsen
Assigned To:	Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	QA-089-27 & QA-08921 (OSW/TP)				
Description:	TP does not properly re-energize bus				
Number:	222	Date:	12/20/00	Reported By:	John Larsen
Assigned To:	Sutterfield / Fan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	
Cust Spec Ref:					
FAT Ref:					
Description:	Feeder output form - FD "HK750" within substation high voltage down stream on feeder HK23, low voltage in substation. (G515100026 & HKSS000010 (H & L))				
Number:	223	Date:	12/22/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.31				
Description:	Cannot add object to Map 5050 in Gen map				
Number:	224	Date:	12/22/00	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.31				
Description:	DXF File does not get converted properly.				
Number:	225	Date:	12/21/00	Reported By:	Brian Ramels
Assigned To:	Ramels	Est. ACS Completion:	1/12/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:	QA-089-42 (FPT) 2.1.31 Step "B"				
Description:	Add "Capacitor" to "Non-controllable" in test procedure.				
Number:	226	Date:	1/2/01	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:	1/5/01	Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	QA-089-42 (FPT) 2.11.3.1 General Features				
FAT Ref:					
Description:	DPF does not solve full sized radial & open loop distribution system in 10 secs. It takes about 40 secs.				

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Number: 227 **Date:** 1/2/01 **Reported By:** Chris Caligan
Assigned To: Ramels **Est. ACS Completion:** 1/5/01 **Customer Accept Date:**
Complete? No **Class:** Class 1

Cust Spec Ref:
FAT Ref: QA-089-42 (FPT) 2.1.38 Creating and maintaining source and DAS Databases.
Description: All objects are assigned to point O, P, O.

Number: 228 **Date:** 1/2/01 **Reported By:** Chris Caligan
Assigned To: Ramels **Est. ACS Completion:** 1/5/01 **Customer Accept Date:**
Complete? No **Class:** Class 1

Cust Spec Ref:
FAT Ref:
Description: After loading new OI dba binary cannot open OI window.

Number: 229 **Date:** 1/2/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** 1/12/01 **Customer Accept Date:**
Complete? No **Class:** Class 2

Cust Spec Ref:
FAT Ref:
Description: Arrow on map does not follow power flow direction.

Number: 230 **Date:** 1/2/01 **Reported By:** Chris Caligan
Assigned To: Ramels **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 1

Cust Spec Ref:
FAT Ref: QA-089-42 (FPT) 2.1.38 Creating and maintaining source and DAS Database.
Description: After database conversion you can open but cannot close switch on map.

Number: 231 **Date:** 1/3/01 **Reported By:** Chris Caligan
Assigned To: Ramels **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 3

Cust Spec Ref:
FAT Ref:
Description: On G4548 Line Section G454800021 is labeled as G454800020.

Number: 232 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 1

Cust Spec Ref:
FAT Ref:
Description: OI window locked up when menu icon was pressed.

Number: 233 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 3

Cust Spec Ref:
FAT Ref:
Description: When trying to go to Display 141, got an unknown device type message and was unable to bring up display.

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Number:	234	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.1.4 Adjustable Parameter				
FAT Ref:					
Description:	Two methods, for dispatcher or for programmer, should be provided with accessed security. DAS 'system form'.				

Number:	235	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.1.5 Output Requirements				
FAT Ref:					
Description:	All results that TPC deems to be important shall be stored in a form accessible for display and printing. TPC's special request on software design document.				

Number:	236	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.1.6 Reasonability of Data				
FAT Ref:					
Description:	When unreasonable input data or results are detected, diagnostic message should be generated. DAS Application program.				

Number:	237	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.1.7 Function Access				
FAT Ref:					
Description:	Access to the functions shall be limited to users designated by the TPC supervisor. DAS Application program.				

Number:	238	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.1.7 Function Access				
FAT Ref:					
Description:	For a single-user function, PCN, the user with access to the function must relinquish access to it before access can be granted to another user. DAS Application program.				

Number:	239	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.1 Periodic Scans				
FAT Ref:					
Description:	If data is reported by exception, a complete scan of all data shall be made every thirty minutes and any discrepancy between the newly scanned data and corresponding database values shall be reported by the alarm message. OI and RTU RTDB.				

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Number:	240	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.1 Periodic Scans				
FAT Ref:					
Description:	Scan rates shall be adjustable between ten seconds and two hours. Between FTU and RTU, verify via DNP 3.0 protocol.				
Number:	241	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.2 Fast Scans				
FAT Ref:					
Description:	The fast scan function shall be provided to temporarily change the scan rate of an FTU to two seconds. The fast scan shall be initiated manually by the dispatcher or automatically by selection of a point for supervisory control. Between FTU and RTU, verify via DNP 3.0 protocol.				
Number:	242	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.2 Fast Scans				
FAT Ref:					
Description:	Fast scan shall be terminated after a programmer-definable timeout period. Between FTU and RTU, verify via DNP 3.0 protocol.				
Number:	243	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.4 Downloading				
FAT Ref:					
Description:	The DAS shall verify the correct receipt of downloaded information. OI receive the information from FTU and RTU.				
Number:	244	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.4 Downloading				
FAT Ref:					
Description:	Downloading of information shall be performed to a specific field terminal upon detection of a field terminal initialization or change of a downloaded value in the DAS database. Between OI FTU and RTU, verify via DNP 3.0 protocol				
Number:	245	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.6 Calibration, Maintenance, and Test				
FAT Ref:					
Description:	Test displays shall be provided that show the actual values being received from FTU and RTU. The ability of the dispatcher to excise all output points shall also be provided. OI, RTU, and FTU.				

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Number:	246	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.6 Calibration, Maintenance, and Test.				
FAT Ref:					
Description:	When the field terminal is in the test mode, test personnel shall be able to inhibit and re-enable associated telemetry failure logic. OI, RTU, and FTU.				
Number:	247	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.2.1 HDCS Link				
FAT Ref:					
Description:	Acquire HDCS data vis ICCP protocol. OI and DASdb.				
Number:	248	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.3 Telemetry Failure and Deletion from Scan.				
FAT Ref:					
Description:	All valid data is not received from FTU or RTU, another scan request for data from the source shall be issued. Between OI FTU and RTU, verify via DNP 3.0 protocol.				
Number:	249	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.3 Telemetry Failure and Deletion from Scan				
FAT Ref:					
Description:	After a programmer-changeable number of retry, each affected point should be marked 'failed' and an alarm shall be generated. Between OI FTU and RTU, verify via DNP 3.0 protocol.				
Number:	250	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.1.3 Reasonability Limits				
FAT Ref:					
Description:	Provide a link from symbol on Display #20 to retrieve a tabular display on a different OI device, i.e., make it casier for the dispatcher to again access to tabular data.				
Number:	251	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.1.4 Limit Monitoring				
FAT Ref:					
Description:	When a dispatcher overrides a limit, it shall be marked with an override quality code on all display. And a limit override summary shall be provided that lists all overridden limited OI.				

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Number:	252	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.4.6.1 Generalized Calculations				
FAT Ref:					
Description:	The following operators shall be provided: Less Than, Greater Than, Less Than, Equal to ,Greater Than, and AND OR NOT. OI.				
Number:	253	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.6.1 Generalized Calculations				
FAT Ref:					
Description:	On average, up to 1000 generalized calculations be performed every ten seconds. Each calculation may consist of up to ten arguments. OI.				
Number:	254	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.6.2 KVA Calculation				
FAT Ref:					
Description:	The calculations shall be performed at the fastest scan rate of the component data. Up to 1000 values shall be calculated. OI.				
Number:	255	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.6.3 Demand and Energy Use Calculations				
FAT Ref:					
Description:	Up to 1000 values shall be tracked to identify maxima, and up to 2000 values shall be integrated every 60 seconds. OI.				
Number:	256	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.2.4.8 Quality Code				
FAT Ref:					
Description:	Display #20 should provide the following quality code: Test Mode, Telemetry Failure, Drift Detection , Reasonability Limit, Limit Override, Divide by Zero, No Response and Alarm Inhibit. OI.				
Number:	257	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Edwards	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.6 Supervisory Control				
FAT Ref:					
Description:	A control action shall require 'confirmation-of-selection-prior-to-execution step.(Control action need to be 'selected'.) Between OI FTU and RTU, verify via DNP 3.0 protocol				

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Number:	258	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	2.2.6 Supervisory Control				
FAT Ref:					
Description:	If after selecting a point the dispatcher does not execute the control action within a programmer-adjustable period, or if the dispatcher performs any console action other than completing the control action, the selection shall be canceled and the dispatcher informed. Between OI FTU and RTU, verify via DNP 3.0 protocol.				
Number:	259	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	2.2.6.3 Control Inhibit				
FAT Ref:					
Description:	The type of controls that shall be inhibited by the tag (I.e., open only, close only, open and close, or information only.) OI.				
Number:	260	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	2.2.6.4 Control Action Monitor				
FAT Ref:					
Description:	A report-back timer shall be initiated when the command is issued. Ten programmer-adjustable timers should be provided. OI, Switch Order.				
Number:	261	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.6.4 Control Action Monitor				
FAT Ref:					
Description:	The dispatcher shall be provided with an indication that a control action is in progress and with a report of the result. (1),(2),(3) OI, Switch Order.				
Number:	262	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.6.5 Control Sequences				
FAT Ref:					
Description:	Ten manually control actions shall be provided. Switch Order.				
Number:	263	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.6.2 Control Sequences				
FAT Ref:					
Description:	When a control fails to operate successfully, then the next control shall be halted by the dispatcher predefined. Switch Order.				

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Number:	264	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.6.5 Control Sequences				
FAT Ref:					
Description:	Indication shall be provided on the control sequence display that show which control have completed operation and which control is currently in progress. Switch Order.				
Number:	265	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.3 FDIR				
FAT Ref:					
Description:	Backup FDIR should be provided to isolate and restore the upstream service. RTU.				
Number:	266	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	2.9 Information Storage and Retrieval				
FAT Ref:					
Description:	The stored data shall contain sufficient information to enable the retrieval at any time in the future of the data value , it quality codes, and the time and date that the data was collected. OI and Oracle.				
Number:	267	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.9.2 System Message Log and retrieval				
FAT Ref:					
Description:	Facilities to sort and selectively display and print the contents of the system message log shall be provided. Sort keys shall include: Alarms, Events User message line messages, Station, Device type, Device, Time period. OI and Oracle.				
Number:	268	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.9.3 Optical Disk Data Storage				
FAT Ref:					
Description:	The transfer of ISR data to the optical disc shall occur without manual intervention in a manner that prevents loss of any data. OI and Oracle.				
Number:	269	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.9.4 Information Retrieval System				
FAT Ref:					
Description:	The SQL-based language shall be usable for selecting , retrieving, sorting ISR data stored on auxiliary memory and optical memory. OI and Oracle.				

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Number:	270	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11 Distribution System Analysis				
FAT Ref:					
Description:	The engineering analysis functions shall be associated with models and save cases that reflect not only the current Tai-chung distribution system , but other models and saves cases that can have quite different structures and characteristics. DAS Application program.				
Number:	271	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11 (p.2-63 s.) Distribution System Analysis				
FAT Ref:					
Description:	Provisions for storing and applying circuit breaker loading and breaking limits and line switch continuous and momentary loading limits. DAS Application program.				
Number:	272	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11 (p.2-64 u.) Distribution System Analysis				
FAT Ref:					
Description:	Provisions for storing and using time-current coordination curves and parameters for circuit breakers, auto reclosing relays and fuses. DAS Application program.				
Number:	273	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11.3.3 Output Data				
FAT Ref:					
Description:	Summary of de-energized line sections and loads. Summary of on/off status of substation LTC, capacitor ,andj reactor banks and LTC tap positions. DAS Application program.				
Number:	274	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11.3.3 Output Data				
FAT Ref:					
Description:	DPF shall warn the dispatcher if any of item (l) - (t) condition are detected. DAS Application program.				
Number:	275	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield, Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.3.2 Supervisory Control				
FAT Ref:					
Description:	All control actions shall be subject to a time limit. If the dispatcher fails to complete the next step of a supervisory control sequence within the required time, the DAS shall cancel the action in progress, generate a event message. OI.				

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Number:	276	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.3.3 Data Entry				
FAT Ref:					
Description:	All data entry shall be subject to a time limit. If data entry is not completed within the specified time, the DAS shall revert to the previous database value. OI,DAS Application program .				
Number:	277	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.3.6.1 Alarm Inhibit/Enable				
FAT Ref:					
Description:	Inhibiting alarms for a value or device shall cause all alarm processing of that value or device to be suspended. Alarm inhibiting shall cause the DAS to add a message to the alarm inhibit summary. Alarm enabling shall cause the DAS to... OI.				
Number:	278	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.3.6.3 Audio Alarm Silencing				
FAT Ref:					
Description:	All actions related to silencing and restoring the audible alarm function shall be recorded as events. OI.				
Number:	279	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.3.6.5 Change Alarm Limits				
FAT Ref:					
Description:	All changes to alarm limits shall be subjected to data entry error checking and recorded as events. OI.				
Number:	280	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.3.6.6 Select Alarm Limit Set				
FAT Ref:					
Description:	All changes to alarm limit sets shall be recorded as events. OI.				
Number:	281	Date:	1/4/01	Reported By:	
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.3.10				
FAT Ref:					
Description:	The report scheduling display shall enable entry of the following parameters, with default values provided where appropriate report name, report destination and time the DAS should produce the report. The user shall be able to examine and modify the contents of reports using displays. OI.				

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Number: 282 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 2
Cust Spec Ref: 3.3.11 DAS Configuration Monitoring and Control
FAT Ref:
Description: Using displays to control the failover,switching of each processor and device (RTU and data link). Controlling the resource usage monitoring function and displaying processor resource utilization. OI.

Number: 283 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Fernandes, Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 2
Cust Spec Ref: 3.4.2 User Access Criteria
FAT Ref:
Description: Reports that may be viewed,contents may be modified and format may be modified. OI and DAS Application program.

Number: 284 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 2
Cust Spec Ref: 3.5.1.1 Alarm Categories
FAT Ref:
Description: Every alarm shall be assignable to a category. Each category shall be assignable to one or more consoles. Some of the alarm category features shall be provided. OI.

Number: 285 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 2
Cust Spec Ref: 3.5.1.2 Alarm Types
FAT Ref:
Description: Each alarm shall be assigned to an alarm type. OI.

Number: 286 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? No **Class:** Class 2
Cust Spec Ref: 3.5.1.3 Advanced Alarm Processing
FAT Ref:
Description: Desirable features of the advanced alarm processing include: (a) Minimization of nuisance alarm messages. (b)Combining of related alarm messages. (c) Prioritization of alarm messages (d) High lighting of the most urgent messages (e) Evaluation of related alarm conditions to determine the true alarm condition. (f) Suppression of alarms that are encompassed in other alarm messages. OI.

Number: 287 **Date:** 1/4/01 **Reported By:** Chris Caligan
Assigned To: Sutterfield **Est. ACS Completion:** **Customer Accept Date:**
Complete? Yes **Class:** Class 2
Cust Spec Ref: 3.5.4 Chinese Voice Alarm
FAT Ref:
Description: The ability to configure Chinese voice alarms in association with selected major alarms shall also be provided. OI.

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Number:	288	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.2.3 Display Scratch Pad				
FAT Ref:					
Description:	A means for the user to enter messages related to a display shall be provided. The message or indication of appended messages shall be displayed each time the display is called. OI.				

Number:	289	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.7.2.4 User Guidance Message Area				
FAT Ref:					
Description:	A means for presenting DAS-generated user guidance messages on a display shall be provided. OI and DAS Application program.				

Number:	290	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.7.3.11 Communication One-Line				
FAT Ref:					
Description:	These displays shall present telemetered and calculated data, including all communications alarm and equipment status conditions. OI.				

Number:	291	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.12 RTU/FTU Summary				
FAT Ref:					
Description:	An RTU/FTU summary display shall show the current operational status of the RTUs, FTUs. OI.				

Number:	292	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.13 Alarm Summary Displays				
FAT Ref:					
Description:	Separate summaries shall be provided for each alarm type. OI.				

Number:	293	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.15 Off-Normal Summary				
FAT Ref:					
Description:	The off-normal summary display shall list devices and values that are not in their normal state. OI.				

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Number:	294	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.16 Out-of-Scan Summary				
FAT Ref:					
Description:	The out-of-scan summary display shall list device status and data value currently not being processed by the DAS. OI.				
Number:	295	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.17 Alarm Inhibit Summary				
FAT Ref:					
Description:	The display shall list devices and data values for which the dispatcher has suspended alarm processing. OI.				
Number:	296	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.18 Tag Summary				
FAT Ref:					
Description:	The display shall list and describe all active tags for all devices. OI.				
Number:	297	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	3.7.3.19 Manual Replace Summary				
FAT Ref:					
Description:	The manual replace summary shall list all points that are being replaced by manual entries. OI.				
Number:	298	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.7.3.22 Notes Display				
FAT Ref:					
Description:	The display shall include ten blank pages on which a user at any console may enter and store messages. OI.				
Number:	299	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.7.3.23 Report Scheduling				
FAT Ref:					
Description:	A report scheduling display shall be provided so the user can schedule periodic reports, direct a report to a display, print a report. OI and DAS Application program.				

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Number:	300	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.7.3.24 Report Review and Editing Displays				
FAT Ref:					
Description:	Displays shall be provided for the user to examine and modify the contents of reports for the current and previous report periods. OI and DAS Application program.				
Number:	301	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.7.3.28 Help Display				
FAT Ref:					
Description:	Help display shall be provided to aid the user in interpreting displayed information and to guide the user through a data entry or control process. OI and DAS Application program.				
Number:	302	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.8.3 Scaling and Translation Response Time				
FAT Ref:					
Description:	Scaling shall be performed at a rate of at least eight full-screen updates per second at workstation consoles and four full-screen updates per second at PC consoles. A jump to a different scale factor shall cause the display to be presented within one second at workstation console. OI.				
Number:	303	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.8.8 Tabular Trend Update Rate				
FAT Ref:					
Description:	Once a data value has been assigned to a tabular trend, the trend shall be updated every two seconds. OI.				
Number:	304	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.4.1 Symbolic Access				
FAT Ref:					
Description:	The Supplier shall provide software utilities to find all uses of specific point names in displays and in files of point names used by application functions. OI.				
Number:	305	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	4.4.2 Database Management				
FAT Ref:					
Description:	The database manager shall include the mechanisms, in both interactive and batch processing modes, to perform the functions of item (a) to (c) on Spec. Page 12 & 13. Database.				

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Number:	306	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.4.3.3 On-Line Database				
FAT Ref:					
Description:	On-line changes shall be implemented in all applicable DAS processor runtime databases without system downtime. DASdb and RTDB.				
Number:	307	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	4.4.4 Tracking Database Changes				
FAT Ref:					
Description:	Audit trail files shall be maintained by the database manager for all changes made by all users. The audit trails shall identify each change, include a date and time stamp for each change. Database.				
Number:	308	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	Yes	Class:	Class 2
Cust Spec Ref:	4.5.2 Display Generation and Integration				
FAT Ref:					
Description:	To protect against loss of display work when a processor fails, the current work shall be automatically saved every five minutes to an auxiliary memory file. Genmap and Drawv.				
Number:	309	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.6 Report Generation Software				
FAT Ref:					
Description:	For report data editing, the user shall be able to obtain the data from a retained report, modify the data, repeat the inherent data calculations, print the report. OI and DAS Application program.				
Number:	310	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.8.5 System Integration				
FAT Ref:					
Description:	Software integration services shall be provided for adding new programs to the set of active software after the programs have been tested. All Application program.				
Number:	311	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.8.6 System Integration				
FAT Ref:					
Description:	System generation software and procedures shall be provided to generate an executable object of all software, databases, displays, and reports. All Application program.				

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Number:	312	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.8.9 Failure Analysis				
FAT Ref:					
Description:	Failure analysis programs shall be provided to produce operating system and application program status data for analyzing the cause of a fatal program failure. All Application program.				
Number:	313	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	4.8.10 Diagnostics				
FAT Ref:					
Description:	Device diagnostics shall be provided for testing every DAS device including processors, main and auxiliary memory, peripherals, workstations. These diagnostic routines shall provide comprehensive printout and user interaction capabilities. Master Station.				
Number:	314	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	5.3.3.1 RTU Functional Requirements				
FAT Ref:					
Description:	The storage capacity shall also support the ability of the RTU to perform their feeder automation backup function, carry out previously downloaded directives received from the master station, and avoid the loss of data in the event the communication circuits with the master station are down for up to 24 hours. RTU.				
Number:	315	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Edwards	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	5.3.3.1.2 Discrete Inputs				
FAT Ref:					
Description:	The interface shall include sensing voltage power supplies, current limiting, isolators, and bounce filtering. RTU.				
Number:	316	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	5.3.4.1 FTU Functional Requirements				
FAT Ref:					
Description:	The storage capacity shall also support the ability of the FTU to carry out previously downloaded directives received from the RTU, and avoid the loss of data in the event the communication circuits with the RTU is down for up to 24 hours. FTU.				
Number:	317	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Murphy	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	5.3.4.3(b) General FTU Characteristics				
FAT Ref:					
Description:	All restarts shall be reported to the DAS master station and associated substation RTU. FTU.				

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Number:	318	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.4.1 Processor Errors				
FAT Ref:					
Description:	All fatal and recoverable errors of all processors operating in the primary, backup, and off-line states shall be detected and recorded. Master Station.				
Number:	319	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.4.2 Device Errors				
FAT Ref:					
Description:	All fatal and recoverable errors of all peripheral devices shall be detected and recorded....Master Station.				
Number:	320	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.5.3 Processor Startup				
FAT Ref:					
Description:	Processor start-up shall be performed when commanded by a user and when processor input power is interrupted and restored such that the operating environment of the processor is established prior to restarting the on-line functions. Master Station.				
Number:	321	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.5.4 Processor Reinstatement				
FAT Ref:					
Description:	All processor reinstatement action shall be annunciated by alarms. OI.				
Number:	322	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.6 Device Redundancy and Configuration Management				
FAT Ref:					
Description:	All device failures shall be annunciated by alarms. OI.				
Number:	323	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:	Complete? No	Customer Accept Date:	
Cust Spec Ref:	6.6.3 Device Redundancy				
FAT Ref:					
Description:	Printer shall be configured as redundant devices. OI.				

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Number:	324	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:					
Description:	G5050AE17 line switch that was a remote point is not point O, P, O.				
Number:	325	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11.5				
FAT Ref:					
Description:	SCA of a phase-to-ground fault takes about a minute. Should not exceed 10 seconds.				
Number:	326	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	In power ACPS, when saving a study the system does not always tell you that the file name already exists.				
Number:	327	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	In power ACPS the file list does not show the last file saved.				
Number:	328	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Caligan, Edwards	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	Ling Tung RTU channel status not set up correctly. (Ling Tung RTU restarts without alarm report to master station.)				
Number:	329	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Caligan, Edwards	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	5.3.3.4 (b)				
FAT Ref:					
Description:	RTU restarts without report to master station.				

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Number: 330 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Edwards Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 3

Cust Spec Ref:

FAT Ref:

Description: Cabinet door handles need to open to the right not the left.

Number: 331 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Caligan, Edwards Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 2

Cust Spec Ref: 3.3.2

FAT Ref:

Description: System does not tell operator that a control point cannot be operated because RTU or FTU is in local.

Number: 332 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Caligan, Edwards Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 2

Cust Spec Ref:

FAT Ref:

Description: Status point changed state even though control operation failed. (Alarm messages say status did not change but status did change on one line.)

Number: 333 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 1

Cust Spec Ref:

FAT Ref: Database Conversion

Description: Procedure is too complicated.

Number: 334 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 2

Cust Spec Ref:

FAT Ref: Database Conversion

Description: Database conversion process takes too long.

Number: 335 Date: 1/4/01 Reported By: Chris Caligan
 Assigned To: Sutterfield Est. ACS Completion: Complete? No Customer Accept Date:
 Class: Class 2

Cust Spec Ref:

FAT Ref:

Description: Spreadsheet used for database population needs more error checking and security checking.

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Number:	336	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.11.3.5				
FAT Ref:					
Description:	Not able to save 10 system and 200 zone cases for DPF.				
Number:	337	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:					
Description:	ACP panel locked up when storing DPF file.				
Number:	338	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:					
Description:	Cannot pull up an event report in a Chinese OI window.				
Number:	339	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.3.3 Data Entry				
FAT Ref:					
Description:	You do not get an error message when you enter invalid data.				
Number:	340	Date:	1/4/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:					
FAT Ref:					
Description:	When a control device is selected on a map TPC wants to see amps instead of power in the valves section of pop-up box.				
Number:	341	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	When the FTU is in local mode and a control operation is attempted, the status point state changes in the oneline but you also get a message saying that there was not a status change.				
Number:	342	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing.				
Description:	Can close switch G1515D13 17 but cannot trip same switch.				

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Number:	343	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	When zooming in to a scale of 1:184 the square box around dynamic objects disappears.				

Number:	344	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	When zooming into a scale of 1:184 the object info. Box says object is device G5050B8170001, but the pop-up (Control) box says object is device G5050AZ4766J4.				

Number:	345	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	When zooming into a scale of 1:184 the directional power flow arrow does not appear when mouse pointer is placed on a feeder.				

Number:	346	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?		Class:	Class 1
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	On a failover from das-a to das-b the ACP panel disappeared from screen.				

Number:	347	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	Unstructured Testing.				
Description:	Doing a tag search causes the OI window to lock-up and the buttons on the report window to gray out.				

Number:	348	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	6.5, p. 6-9				
FAT Ref:					
Description:	LE does not have failover capability.				

Number:	349	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	6.5.1 Function Report				
FAT Ref:					
Description:	Functions should restart in 30 seconds, start Scada exceeds 30 seconds. (4 minutes 50 seconds).				

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Number:	350	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	2.8 Outage Scheduler (p. 2 - 42)				
FAT Ref:					
Description:	Need to be able to display multiple schedule based on a selected date and time.				
Number:	351	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Ramels, Chou	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.1 Chinese character				
FAT Ref:					
Description:	Chinese character display on display 20.				
Number:	352	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	After data conversion Telemetry points go into alarm state before reaching alarm setpoint.				
Number:	353	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Ramels	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	While running PCN and doing SCA for AB fault, the solution showed faults on B phase and neutral.				
Number:	354	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 1
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	On transition from Genmap to OI characters were shifted.				
Number:	355	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	System did not update state of status point after scan inhibit was removed from point.				
Number:	356	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	3.3.5.1 Display Trending				
FAT Ref:					
Description:	Not able to have shading between trend axis according to limit setpoints.				

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Number:	357	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Larsen	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.3.3 Return to predefault configuration				
FAT Ref:					
Description:	With a clearance tag placed on a switch, FDIR did not inhibit switching.				
Number:	358	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.3.5.2 Tabular Trending				
FAT Ref:					
Description:	Cannot print tabular trends.				
Number:	359	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Sutterfield	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	3.7.3.21 Tabular Trending Control & Summary Displays				
FAT Ref:					
Description:	Tabular trend does not have a file name.				
Number:	360	Date:	1/5/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:					
FAT Ref:	Unstructured Testing				
Description:	When you failover das system by using shutdown command you do not get an alarm saying that the das that was shutdown is offline.				
Number:	361	Date:	1/8/01	Reported By:	Chris Caligan
Assigned To:	Caligan	Est. ACS Completion:		Customer Accept Date:	
		Complete?	No	Class:	Class 2
Cust Spec Ref:	2.2.1.3 Demand Scan				
FAT Ref:	Unstructured Testing				
Description:	Demand Scan did not return the correct state of switch.				
Number:	362	Date:	1/9/01	Reported By:	Chris Caligan
Assigned To:	Lessans	Est. ACS Completion:	2/15/01	Customer Accept Date:	
		Complete?	No	Class:	Class 3
Cust Spec Ref:	5.2.8.4 Cursor Positioning Device				
FAT Ref:					
Description:	A mouse and a trackball shall be provided for each keyboard. At this time we do not have any trackballs				