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壹. 前言

網際網路名稱與號碼指配機構(ICANN)第 36 次會議於 2009 年 10 月 25 日至 30 日在南韓首爾舉行，由 ICANN 及南韓網際網路暨安全機構(KISA)主辦，計有來自 111 個國家之商業利益團體、民間團體、政府機構、網際網路服務供應商、註冊管理機構、受理註冊機構、網址註冊人及技術團體等 1,207 位與會者參與本次盛會。我國代表團係由交通部郵電司司長鄧添來擔任團長，團員包括行政院資通訊推動(NICI)小組、交通部郵電司、外交部國際組織司、財團法人台灣網路資訊中心、財團法人國家資訊基本建設產業發展協進會及網路中文資訊股份有限公司等單位代表。行政院資通訊推動(NICI)小組、交通部、及外交部等人員主要出席政府諮詢委員會(Governmental Advisory Committee, GAC)，台灣網路資訊中心等其他團員則參與 CCNSO, GNSO 等 ICANN 相關會議。

本次會議討論重點包括：國際化網域名稱快速程序 (Fast Track for IDN ccTLD)、新屬性型網域名稱 (New gTLDs) 之申請政策、New gTLD 商標保護、惡意行為之防範、2010 年運作計畫與預算、DNSSEC 域名系統安全、WHOIS 服務、IPv4 位址耗盡與 IPv6 位址部署、委任認可(affirmation of commitments)協議、ICANN 理事會與 GAC 之合作等議題之實質討論。

本次會議延續 2009 年墨西哥市會議及雪梨會議所作幾項重大決議之討論，包括：開放新屬性型網域名稱 (New generic Top Level Domain，以下簡稱New gTLDs) 申請指引草案第 3 版等議題。首爾會議最重大之貢獻為 ICANN 理事會於 2009 年 10 月 30 日正式通過國碼頂級網域名稱(country code Top Level Domain，以下簡稱ccTLD)國際化域名(International Domain Name以下簡稱 IDN)Fast Track實施計畫最終版。IDN ccTLD Fast Track實施計畫，規劃開放使用中文(繁、簡體)、韓文、印度文、希伯來文與其他非拉丁字母等十七種字體之國家以本國語言申請國家網域名稱，ICANN自 2009 年 11 月 16 日起開始受理第一輪(first round)申請案。

下次 ICANN 會議將於 2010 年 3 月 7-12 日在肯亞奈洛比

(Nairobi)舉辦。

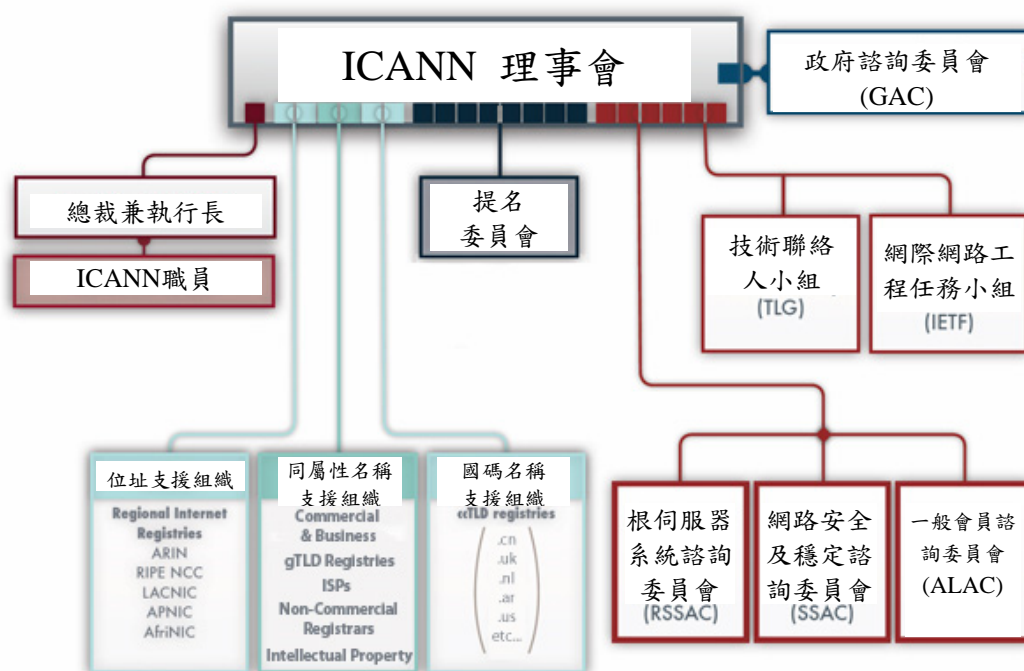
本報告首先說明 ICANN 組織最新現況，其次，報告重要議題及內容，最後就本次會議內容提出相關建議。

貳. ICANN 簡介

ICANN 係一全球性、非營利、共識導向的國際性機構 (International corporation)，1998 年 10 月成立於美國加州，負責監督原由美國政府管理之部分網際網路技術管理功能 (Internet technical management functions)、通訊協定參數及通訊埠 (Protocol Parameters and Port) 之協調、域名系統 (DNS) 之管理、IP¹ 位址之分配暨指派及根伺服器系統 (root server system) 之管理，以維持全球網際網路運作之穩定性、可靠性及安全性為其主要宗旨。

一、 ICANN 組織架構

ICANN 下設有理事會 (Board of Directors)、3 個支援組織 (Supporting Organization ; SO)、4 個諮詢委員會 (Advisory Committee ; AC) 及技術聯絡人小組 (Technical Liaison Group ; TLG) 等，其組織架構圖如下：



ICANN 組織架構圖

¹ IP 為網際網路通信協定 (Internet Protocol) 之意，使得電腦網路間得以透過各式實體鏈路 (physical links) 而快速地互相通信。IP 位址為一以數字表示之位址，使得 Internet 上之電腦位址得以確定，Internet 上電腦間之資訊傳輸及連結即藉此 IP 位址達成，一般大眾係藉用 DNS 以人性化名稱 (human-friendly names) 來辨識主機位址。

二、 ICANN 組成單位之功能

(一) ICANN 理事會

依 2002 年 12 月 15 日 ICANN 通過之新版組織章程，ICANN 理事會係由 15 位具投票權之理事組成，其中 8 位理事由任命委員會選出，另由位址支援組織(ASO)、同屬性名稱支援組織(GNSO)、國碼名稱支援組織(ccNSO)各選出 2 位，總裁為當然理事。任期 3 年，每年改選部分理事。此外，6 位不具投票權之聯絡人則分由根伺服器系統諮詢委員會(RSSAC)、網路安全及穩定諮詢委員會(SSAC)、政府諮詢委員會(GAC)、一般會員諮詢委員會(ALAC)、技術聯絡人小組(TLG)及網際網路工程任務小組(IETF)指派。目前理事會成員現有 21 位，如附件 1。

(二) ICANN 支援組織

目前 ICANN 下設有 3 個支援組織，各支援組織(Supporting Organization) 均有其特定之功能，為 ICANN 在各專責領域之主要政策建議來源及諮詢單位。謹簡介如下：

(1) 位址支援組織(ASO)

ASO 負責向 ICANN 提出有關 IP 位址運作、指配、及管理之政策性建言，其著重於識別單一 Internet 上各種電腦之 IP 位址系統，如 128.9.128.127，係根據 ICANN 與各區域網際網路登記註冊管理機構(RIR)洽簽之 MoU 所設立之組織。目前按區域所設立之 RIR，分別有負責北美洲區域之 ARIN、歐洲區域之 RIPE NCC、拉丁美洲區域之 LACNIC、亞洲區域之 APNIC 及非洲區域之 AFRNIC。一般 RIR 基本的位址分配政策係依區域需要及視未來一年內位址可能需求情形來分配位址區塊(Address Block)。

(2) 國碼名稱支援組織(ccNSO)

ccNSO 負責向 ICANN 提出有關 ccTLD(諸如：.us，.uk，.it，.tw，.cn，.jp，.hk 等)之政策性建言，ccNSO 係由 ccTLD 管理者組成，下設評議會(Council)管理

相關政策制定程序。該組織業於於羅馬會議期間（2004年3月1日）正式宣布成立。

(3) 同屬性名稱支援組織(GNSO)

GNSO 負責向 ICANN 提出有關同屬性頂級域名之政策性建言，係由 gTLD 登記註冊管理機構、智慧財產權團體、商業團體、學術機構及消費者團體所組成，下設評議會(Council)管理相關政策制定程序。

(三) ICANN 諮詢委員會

諮詢委員會為一正式諮詢體，由來自 Internet 社群 (community)代表組成，負責向 ICANN 作政策性之建言，ICANN 組織章程明定設立不同之諮詢委員會，諮詢委員會不代表 ICANN 行使職權，惟向 ICANN 理事會提出其研究報告及建言。目前 ICANN 理事會設有 4 諮詢委員會，謹簡介如下：

(1) 政府諮詢委員會(GAC)

GAC 為一由國家級政府、國際論壇承認之經濟體、多國政府組織及條約組織(treaty organizations)代表所組成之諮詢委員會，其功能為向 ICANN 理事會表達政府單位之關切事項，GAC 以論壇方式討論政府之權益及關切議題 (interests and concerns)，包含消費者權益；GAC 不代表 ICANN 行使職權，惟向 ICANN 理事會提出其研究報告及建言。

(2) 網路安全及穩定諮詢委員會(SSAC)

SSAC 係負責就網域名稱及位址指配系統之安全及完整性向 ICANN 理事會提出建言，包括安全架構之擬定、與網際網路技術社群及重要 DNS 管理者、業者之溝通協調、風險分析評估等。

(3) 根伺服器諮詢委員會(RSSAC)

RSSAC 係負責向 ICANN 理事會提出有關網域名稱根

伺服器運作之建言，包含主機硬體容量、作業系統、名稱伺服器軟體版本、網路連結、硬體環境、安全問題及系統效率、可靠度等。

(4) 一般會員諮詢委員會(ALAC)

ALAC 代表網際網路個別使用者向 ICANN 提出建言。

參. ICANN 第 36 次會議

一、 會議時間、地點及議程

(1) 時間：2009 年 10 月 24 日至 10 月 31 日。

(2) 地點：南韓首爾。

(3) 行程：

日期	行程
10 月 24 日	由桃園中正機場出發，直飛南韓仁川機場轉往首爾
10 月 25 日	辦理報到並出席 ICANN 相關會議
10 月 26 日	參與 ICANN Public Forum: President's Report & Comments 及 Welcome Ceremony
10 月 27 日	出席 ICANN 相關會議
10 月 28 日	出席 ICANN 相關會議
10 月 29 日	出席 ICANN 相關會議
10 月 30 日	出席 ICANN Public Forum
10 月 31 日	自南韓仁川機場搭機直達桃園中正機場

(4) ICANN 2009 首爾會議議程：如附件 2。

二、 主要討論議題

ICANN 會議包括理事會議、公眾論壇、各支援組織及諮詢委員會會議，如：政府諮詢委員會等，茲簡述重要會議內容如下：

(一) 政府諮詢委員會(GAC)會議

網際網路名稱與號碼指配機構(ICANN)/政府諮詢委員會(GAC)於 2009 年 10 月 25 日至 28 日在 ICANN 首爾會議期間召開(GAC 會議議程如附件 3)。本次會議計有美國、英國、法國、歐盟、義大利、加拿大、挪威、芬蘭、巴西、新加坡及日本等

58 位代表與會(含 2 位以視訊會議方式)、3 位觀察員與受邀國俄羅斯出席。

本次 GAC 會議討論事項包括 IDNs ccTLDs 快速程序(Fast Track) 最終版、新屬型網域名稱(new gTLD)申請指引草案第 3 版、委任認可(Affirmation of Commitments)協議、GAC 在 ICANN 中之角色及 DNSSec 之安全與穩定等議題；並與 ICANN 其他委員會舉行聯合會議，包括與 ccNSO 就 IDN ccTLD 有關政策發展程序(PDP)、與 GNSO 就 New gTLDs 議題交換意見、與 ICANN 理事會就 IDN ccTLDs 及 New gTLD 等議題交流、與 NRO 就 IPv6 發展及 IPv4 耗竭等議題討論，(GAC 會議公報如附件 4)。相關議題摘要如下：

1. IDN ccTLDs 議題

本議題是 ICANN 會議之重點工作之一，GAC 主席 Janis 說明：截至目前為止，ICANN 共收到 40 個國家及領域表示有意願使用 IDN ccTLDs。

GAC 對於本次會議 ICANN 準備之實施計畫草案最新版本，已解決 GAC 在上一次會議所提之多項待決議題，表示歡迎，並感謝 ICANN 人員在首爾會議之前與期間準備之相關簡報文件。

GAC 對於 ICANN 所提確認有關 IDN ccTLDs 之指派(delegation)將不附帶條件，ICANN 與 IDN ccTLDs 管理者之任何形式之協議(agreement)。有關申請程序之費用或年度費用之部分，有必要時，ICANN 將在 TLD 指派後再討論協議有關費用部分。

GAC 亦了解有關同意單一字元 IDN ccTLDs 之可能性及變異字之處理等兩項議題仍亟待解決，並期望 ICANN 以緊急事項處理之。

GAC 原計畫在本次會議通過 IDN ccTLDs 原則(Principles)，惟應 ccNSO 成員之請求延後通過，以利 ccNSO 表示意見。原則草案如附件 4 之附錄 A，GAC 邀請 ICANN 所有社群於下次會議前提供意見。GAC 將在下次會議期間通過。

2. New gTLDs 議題

GAC 在 8 月 18 日致理事會的信函中，已提出 DAG 第 2 版草案之補充建議，GAC 對理事會主席於 9 月 22 日之回復表示感謝。然而延續首爾會議 GAC 成員與其他相關單位之討論，GAC 認為仍有相當多爭議尚待處理，特別就下列議題：

- (1) 有必要就安全、穩定及彈性等議題作通盤性考量，包括：最新有關根目錄量化(scaling)報告，考量 DNSSec, IDNs, New gTLDs 及 IPv6 部署等潛在因素綜合效應之影響。
- (2) 進一步經濟研究報告之重要性，以提升社群對成本、益處及市場衝擊等所有相關之認知。
- (3) 有必要確保對智財權提供更多之保障。
- (4) 持續進行社群討論有關註冊管理機構(registries)及註冊受理機構(registrars)間關係、費用上限及對 DNS 市場競爭之潛在影響。
- (5) 有必要張顯各種分類(category)間差異性。
- (6) 有關具地理名稱意義之字串，應尊重國家公共利益及國家主權。
- (7) 有協助受限於財政及技術資源之開發中國家。

預期申請指引最新版草案即將提出，因此 GAC 不就第 3 版提出建議。GAC 預計在下次奈洛比(Nairobi)會議前向理事會提出。

3. Affirmation of Commitments 議題

GAC 對於 Affirmation of Commitments(AoC)為 DNS 未來之發展提出正面積極的作用，表示歡迎。

GAC 認同 ICANN 基於確保公眾利益，對 AoC 所提之重點及 DNS 全球技術協調整合所作之決策，尤其在對全球社群之透明化與公開化；維護 DNS 之安全、穩定及其彈性；促進競爭；使用者信任及使用者在 DNS 市場之選擇性；及促進全球化參與 DNS 技術協調。

GAC 認同新協議下之關鍵角色，不僅是協議中所強調在 ICANN 扮演公眾利益之必要性，同時，特別是 GAC 在檢視工作小組(review teams)架構中之角色。

GAC 認為檢視程序之重要意義在於確認相關承諾是否達成。GAC 亦將密切配合完成相關承諾。

GAC 了解檢視程序之時程相當緊迫，期望能早日進行作業模式之討論，GAC 已有初步意見交換，但對於檢視小組之形式或運作模式尚無結論。GAC 將適時提出建議。

4. ICANN 理事會/GAC 聯合工作小組(JWG)檢視 GAC 未來在 ICANN 之角色

JWG 在首爾召開第一次面對面會議，JWG 檢視並同意任期之相關文件，附件 4 之附錄 B，JWG 成員亦就數項議題及優先順序進行意見交換，預計下次面對面會議將在 ICANN 奈洛比(Nairobi)會議時召開。

5. SSAC 及 RSSAC 對 DNSSEC 相關之簡報

GAC 歡迎 SSAC, RSSAC 及 VeriSign 就 DNSSEC 所作之簡報，以及根目錄簽署、根目錄量化研究、與 SSAC 有關萬用字(wildcards)使用之相關問題之建議。GAC 很遺憾在啟動 new gTLDs, IDNs, IPv6 及 DNSSEC 之初，未能及時評估對於根目錄造成之影響。此外，已有許多相關單位在上述議題啟動之初即進行研究，並有權要求更多可預期之條件以進行重要研究，依目前之不確定性，無助於運作政策之決定。

6. 法律執行(Law enforcement)之簡報

GAC 對於網路犯罪就網域名稱濫用有關法律執行之簡報悉知。此簡報對於 ICANN 委任註冊管理機構(registry)及受理註冊機構(Registrar)之相關建議，GAC 將列入考量。

7. 2010 年工作計畫

GAC 確認 2010 年優先工作如下：

- (一) AoC 之執行；

- (二) DNS 之安全、穩定及彈性；
- (三) ICANN 理事會/GAC 聯合工作小組就 IDN ccTLD Fast Track 程序導入及 IDN PDP 議題；
- (四) New gTLD 之導入；
- (五) IPv4 之耗盡及 IPv6 之部署。

8. ICANN 會議之準備工作

在 ICANN 首爾會議期間，GAC 基於對安排 DNS 濫用議題簡報協調不易之經驗，GAC 要求 ICANN 以更有效率之方式規劃每一次 ICANN 會議。GAC 建議 ICANN 通過一新程序，促進協調及支援組織(Supporting Organizations)與諮詢委員會(Advisory Committees)在先期決定優先討論議題及議程，以符合實際需要。應建立一機制，由 SOs 及 ACs 在限期內提出建議初稿及時限內必要之修正，以利工作人員在會議 6 週前完成議程規劃草案。GAC 建議在會議 30 天發布議程草案，以利相關人士完成參與會議之準備。GAC 成員需較長期間在其國家內擴大諮詢，以調合公眾利益。

9. 選舉

Mr. Jayantha Fernando(斯里蘭卡籍)再次當選副主席，Ms. Maimouna Diop Diagne(塞內加爾籍)及 Ms. Heather Dryden (加拿大籍)當選副主席。自 2010 年第一次會議結束後生效。

GAC 感謝 Mr. Bertrand de La Chapelle(法國籍)及 Ms. Manal Ismail(埃及籍)在擔任副主席期間為 GAC 相關工作所作的傑出貢獻。

10. 結語

GAC 誠摯感謝在首爾會議期間所有與 GAC 會議之所有社群，GAC 下次會議將在肯亞奈洛比舉行之 ICANN 會議期間召開。

(二) ICANN 理事會

在會議開幕典禮中，ICANN 總裁兼執行長 Rod Beckstrom 首先報告本次會議重點議程及其工作進展(工作簡報如附件 5)，重點事項包括：

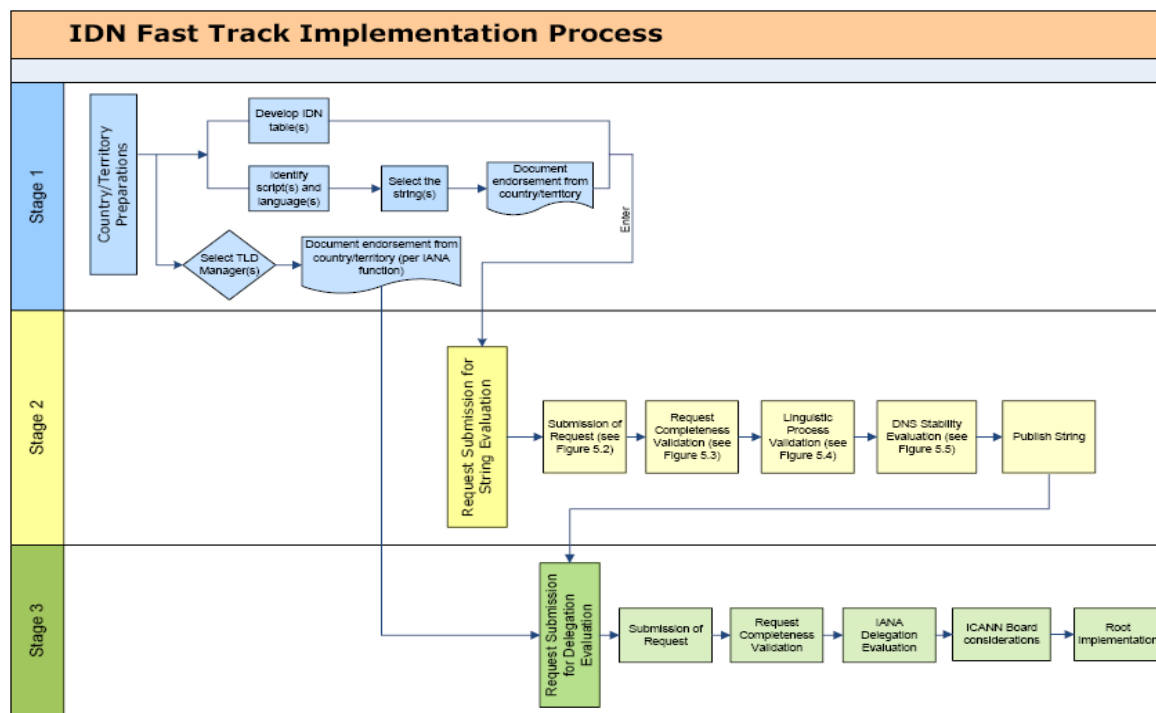
1. Affirmation of Commitments

美國商務部與 ICANN 於 2009 年 9 月 30 日結束 Joint Project Agreement，於同年 10 月 1 日 Affirmation of Commitments(AoC)生效。Rod 以「一個世界，一個網際網路，連接每一個人(one world, one Internet, Everyone connected)」為 AoC 註解；美國政府將以參與 ICANN/GAC 持續關切網際網路之發展；AoC 未來將推動 3 項檢視，包括：課責性(accountability)與透明化(transparency)、安全與穩定、消費者議題(WHOIS)，預計第一次檢視將在 2010 年 12 月召開。

2. IDN ccTLD Fast Track

ICANN 於本次會議之前，已公佈 IDN ccTLD fast track 最終版。最終版將在 10 月 30 日理事會中討論，預計於 11 月 16 日開放申請。

IDN ccTLD fast track 申請流程共三階段(如圖一)，包括籌備階段、審核階段、及授權階段。



圖一 IDN ccTLD fast track 申請流程

籌備階段--

依據 IDN ccTLD Fast Track, 在 ISO 3166-1 列表中所列之國家或地區即有資格申請 IDN ccTLD, 並須依規定提出相關證明文件, 包括:

- 1) 政府單位對 IDN ccTLD 申請之支持證明文件。
- 2) 證明所申請 IDN ccTLD 字串(String)之語言文字為該國官方語言(具有法定地位, 或作政府單位溝通之行政語言), 或認定為官方語言之文件。
- 3) 證明所申請 IDN ccTLD 字串為對應國家名稱之有意義的表示方式, 如國家名稱, 或國家名稱之一部分, 或國家名稱之縮寫。
- 4) 證明所申請之 IDN ccTLD 及管理單位獲當地相關社群支持之文件。
- 5) IDN ccTLD 字串符合技術標準之文件與字表, 如下
 - (1)申請的字串必須要在技術上可以轉換為 U-label 及 A-label。
 - (2)label 必須符合 RFC 1035 及 RFC2181 要求,
 - ✓ 其 A-label 不可以超過 63 個, 包括前面四個字元 “xn- -”
 - ✓ upper 和 lower case 的字元將被視為同樣的字元。
 - (3)label 必須是一個有效的主機名稱, 如 RFC952 及 RFC1123 中所規定, 這個 label 必須是完整的數字、字母、連字號。
 - (4)技術上, 所有的 IDN ccTLD 的申請者必須熟悉 IETF 的 IDNA 的標準、Unicode 的標準, 以及與 IDN 相關的技術術語, 所提出的字串必須符合下列原則:
 - ✓ 必須包含 unicode 的 code points
 - ✓ 必須完全符合 unicode Annex #15 裡面的 Normalization Form C
 - ✓ 必須與完整的字元一致
 - ✓ 不行以數字開始或結束

(5) 字串中的字必須來自同一個語言，唯一的例外來自於該語言是一個混合使用不同字元的語言。

(6) 每個 IDN ccTLD 的申請者必須提交 IDN 字表。

審核階段--

提交申請文件後，ICANN 將就所申請使用的語言是否合乎規定及評估所申請的字串是否可以維持 DNS 的穩定性等進行審查。

授權階段--

通過審核階段後即進入授權階段，目前係依照現行網際網路號碼指配機構(IANA)標準之授權程序。

申請辦法中亦涵蓋申請者與 ICANN 之權利義務文件及費用等內容，未來 ICANN 與 IDN ccTLD 管理單位間可依以下方式確認彼此之權利義務關係：(1) Documentation of Responsibility (DoR)；(2) Exchange of Letters (EoL)；(3) Standard Agreement。

由於在 IDN ccTLD Fast Track 申請過程中，IDN 相關技術及政策仍再持續研議發展中，因此 ICANN 每年檢討相關申請辦法內容。

3. New gTLDs

本次 ICANN 會議主要針對第 3 版執行草案(draft New gTLD Applicant Guidebook)進行介紹與討論，幾項重點議題包括：惡意行為、經濟研究、DNS 穩定性及註冊管理機構與受理註冊機構之關係等。第 3 版草案意見徵詢截止日為本年 11 月 22 日。

4. 強化安全、穩定與彈性

本議題涉及 new gTLDs/IDNs、conficker 等惡意軟體對 ccTLDs 之影響、DNS 濫用等待解決事項。

5. 其他議題包括：域名系統安全(DNSSEC)、網際網路號碼指配機構(IANA) 有關 IPv4 位址耗盡之因應與解決及 IPv6 推廣與部署所面臨之相關問題、政策發展與財務報告等。

本次會議理事會議之重要決議摘要如下：

1. **IDN ccTLD Fast Track**：理事會於 10 月 30 日(週五)正式通過 **Fast Track**，將在本年年底前導入有限字數之國際化網域名稱，這是各國首次以自己的語言而非西方語言表示網際網路位址名稱。**Fast Track** 申請案於本年 11 月 16 日開放受理。
2. **New gTLDs**：申請指引草案第 3 版及其相關解釋文件在本次會議進行討論。本議題仍有諸多爭議待決，**ICANN** 已進行公開徵詢意見(截止日 11 月 22 日)，以尋求各方共識。
3. **商標保護**：針對未來規劃網域名稱大量延伸時，如何確保商標保護，目前可能之解決方案包括：建立 **IP 資訊交換中心(IP Clearinghouse)**或商標檢核資料庫等，目前已交由 **GNSO** 進行檢視中。
4. **惡意行爲**：為避免成爲 **DNS** 濫用之新機會，包括：釣魚、惡意軟體、散佈非法內容等問題，未來導入 **IDN** 前，應提供相關團體充分之認知，以減少網路犯罪等問題。
5. **網際網路之安全與穩定**：為強化網際網路之安全性，目前正規劃導入”**DNSSec**”，此外，網際網路系統能否處理導入 **new gTLDs** 後大量延伸位址等議題尚未解決，因此，將再徵詢相關諮詢委員會及公眾意見，預計相關報告將於 11 月 29 日前提出。
6. **需求調查與經濟分析**：**ICANN** 就經濟面要求進一步分析，以釐清相關待決事項，特別是就 **new gTLDs** 潛在使用者之需求與分析，以更有效地推動新網際網路延伸(**Internet extensions**)相關服務。

肆. 觀察與建議事項

- 一、 ICANN 理事會已於 2009 年 10 月 30 日正式通過有關 IDN ccTLD Fast track 實施計畫最終版，並自同年 11 月 16 日起受理首輪(first round)申請，儘管準備時間並不充裕，台灣網路資訊中心(TWNIC)仍積極準備，儘可能對相關文件之整備與申請程序充分的演練；而相關政府部門，包括：交通部、教育部等單位全力協助，以期我國在首輪申請程序，順利取得中文網域名稱。
- 二、 有關 new gTLDs 申請指引草案尚有許多爭議性事項，包括：對 DNS 安全與穩定性之影響評估、申請費用、商標保障、市場競爭機制等，預期 GNSO 在下次會議前應會有 4 版草案提出，由於各方意見仍有分歧，預估 new gTLDs 正式通過時間可能延至 2010 年底至 2011 年中。建議 TWNIC 邀集國內網際網路相關社群，就本案相關議題進行溝通與意見交換，以維護網際網路使用者之權利。
- 三、 美國商業部 (DoC) 與 ICANN 簽訂之聯合項目協議 (Joint Project Agreement) 已於 2009 年 9 月 30 日結束，委任認可協議 (Affirmation of Commitments, AoC) 於 2009 年 10 月 1 日生效。AoC 明顯加重 GAC 在 ICANN 中之角色，議題檢視小組 (review team) 將由 GAC 主席、ICANN CEO、AC/SO 代表及相關專家組成，成員名單係由 GAC 主席及 ICANN CEO 共同決定。GAC 與會各國，尤其是歐洲國家紛紛表示支持 AoC，對於成立 review team 及檢視之議題有共識；惟對於未來 GAC 運作方法尚無共識。目前 GAC 採共識決，未來是否改採投票制？一國一票？或以使用人口數加權等？尚待觀察。
- 四、 IPv4 資源耗盡之問題為各國所重視，ICANN/IANA 預估 2012 年左右將無 IPv4 位址可核發，雖然，不會即刻發生網際網路使用者無 IPv4 可核配之情況，但仍應及早導入 IPv6，以避免網路位址不足，而且，IPv6 具有大量(2^{128})位址、安全性及移動性之特點，若能儘早投入 IPv6 應用服務之開發，將是我國創造下一波網際網路發展高峰之新契機。
- 五、 為確保我國網際網路社群之權益，並與會員國建立長久關

係，相關單位應持續參與 ICANN/GAC 後續相關會議，希望藉由參與及討論，即時掌握網際網路最新發展趨勢，並與其他會員國建立友好關係，維持意見交流及資訊交換管道，以促進網路互通與合作，確保我國網際網路社群之權益和未來發展之契機。

附件

1. ICANN 理事會成員
2. ICANN 2009 首爾會議議程
3. GAC 2009 首爾會議議程
4. GAC 2009 首爾會議公報
5. ICANN 總裁兼執行長工作報告
6. ICANN/IDN 小組 IDN ccTLD Fast Track 簡報
7. NRO 網際網路號碼資源現況報告

附件 1

ICANN 理事會成員



Chair
Peter Dengate-Thrush
Selected by: ccNSO
(Jan 2005 - 6 months after the end
of the 2010 Annual General
Meeting)
Compensation Committee (Chair)
Executive Committee (Chair)



Vice Chair
Dennis Jennings
Selected by: Nominating
Committee
(Nov 2007 - Oct 2010)
Board Governance
Committee (Chair)
Executive Committee
(Vice-Chair)
Audit Committee (Member)
IANA Committee (Member)



Harald Tveit Alvestrand
Selected by: Nominating
Committee
(Nov 2007 - Oct 2010)
IANA Committee (Chair)
Audit Committee (Member)



Raimundo Beca
Selected by: ASO
(May 2004 - Apr 2010)
Executive Committee
(Member)
Structural Improvements
Committee (Member)



President and CEO
Rod Beckstrom
Executive Committee (Member)



Steve Crocker
Selected by Nominating
Committee
(Nov 2008 - Annual General
Meeting 2011)
Audit Committee (Member)
Risk Committee (Member)



Rita Rodin Johnston
Selected by: GNSO
(Jun 2006 - 6 months after the end
of the 2010 Annual Meeting)
Audit Committee (Chair)
Board Governance Committee
(Member)



Janis Karklins
GAC liaison



Ram Mohan
SSAC Liaison
Board Governance Committee
 (Non-Voting Member)



Thomas Narten
IETF liaison
IANA Committee
 (Non-Voting Member)
Public Participation
Committee (Non-Voting
 Member)



Gonzalo Navarro
 (30 October 2009 through 2012
 Annual General Meeting)
Finance Committee (Member)
Public Participation Committee
 (Member)



Raymond A. Plzak
 Selected by: ASO
 (7 May 2009 - 6 Months After
 the End of the 2011 Annual
 General Meeting)
Structural Improvements
Committee (Chair)
Board Governance
Committee (Member)



Rajasekhar Ramaraj
 Selected by: Nominating
Committee
 (Dec 2006 - Oct 2009)
Finance Committee (Chair)
Compensation Committee
 (Member)
Risk Committee (Member)



George Sadowsky
 Selected by: Nominating
Committee
 (Oct 2009 - Oct 2012)
Finance Committee
 (Member)
Structural Improvements
Committee (Member)



Vanda Scartezini
ALAC liaison
 (30 October 2009 through 2010
 Annual General Meeting)
Public Participation Committee
 (Non-Voting Member)



Mike Silber
 Selected by: ccNSO
 (7 May 2009 - 6 Months After
 the End of the 2011 Annual
 General Meeting)
Structural Improvements
Committee (Member)
Risk Committee (Member)



Jonne Soininen
TLG liaison
Structural Improvements
Committee (Non-Voting Member)



Jean-Jacques Subrenat
Selected by: Nominating
Committee
(Nov 2007 - Oct 2010)
Public Participation
Committee (Chair)
Structural Improvements
Committee (Member)



Bruce Tonkin
Selected by: GNSO
(Jun 2007 - Apr 2010)
Risk Committee (Chair)
Compensation Committee
(Member)



Katim Touray
Selected by: Nominating
Committee
(November 2008 - Annual
General Meeting 2011)
IANA Committee (Member)
Public Participation
Committee (Member)



Suzanne Woolf
RSSAC liaison
IANA Committee (Non-Voting
Member)
Risk Committee (Non-Voting
Member)

附件 2

Saturday, 24 October 2009

GNSO Contracted Parties House Meeting

GNSO Working Session (1 of 2)

Sunday, 25 October 2009

GAC Plenary - IDN ccTLD Fast Track and PDP

ALAC & Regional Leadership Working Session

Introduction to New gTLDs

GNSO Working Session (2 of 2)

GNSO Working Session (1 of 2)

IDNs - Introduction & Overview

GAC Plenary - New gTLD AGBv3

Joint Meeting - GAC & GNSO Council

Monday, 26 October 2009

IRTP Part B WG Open Meeting

ICANN Fellowship

SSAC Open Meeting

Welcome Ceremony & President's Report + Meeting
Overview

Press Conference - Rod Beckstrom, Peter Dengate-Thrush

New gTLD Program Overview

ccNSO Tech Day

Orientation Session for New & Returning ccTLDs

Joint GAC/Board WG Meeting over Lunch (CLOSED)

Post-Expiration Domain Name Recovery Mtg

IDN ccTLD Fast Track Workshop

Registry/Registrar Separation Discussion

Malicious Abuse and new gTLDs

Malicious Conduct and Consumer Protection

AFRALO Monthly Meeting

IDN Reception

Tuesday, 27 October 2009

ICANN Fellowship

Role of the GAC & institutional evolution of ICANN in light of the AoC

Tuesday, 27 October 2009

(CLOSED)

ALAC: Policy Issues Discussion Part 1

Get to Know ICANN

ccNSO Members Meeting

gTLD Registries Stakeholder Group (RySG) Constituency

Non-Commercial Users Constituency Meeting (NCUC)

Registrar Stakeholder Group Constituency Meeting

Commerical Stakeholder Group (CSG) Meeting

GAC Plenary - Security Related Issues

ALAC and Board Structural Improvements Committee ("SIC") Mtg

APRALO Monthly Meeting

Joint Session - GAC and ALAC

Intellectual Property Interests Constituency Meeting (IPC)

Commercial & Business Users Constituency Mtg (CBUC)

Internet Service & Connectivity Providers Constituency Meeting (ISP)

ALAC: Policy Issues Discussion Part 2

GAC Meeting with the ICANN Board (CLOSED)

GAC Meeting with the ICANN Board (OPEN)

GALA Event at the National Museum of Korea

Wednesday, 28

October 2009

LACRALO Monthly Meeting

ICANN Fellowship

GNSO Council Open Meeting

Briefing on IPv4/IPv6 Transition

Wednesday, 28 October 2009

ICANN

Strategic

Planning

Consultation

Workshop - Sapphire 4 (L3)
DNSSEC

ccNSO
Members Emerald (L2)
Meeting
ICANN
Strategic
Priorities & Sapphire 1-3 (L3)
GAC work
Program for
2010
Role of GAC
& Institutional
evolution of
ICANN in Sapphire 1-3 (L3)
light of the
AoC
(CLOSED)
Review of
the
Nominating
Committee: Garnet (L37)
Presentation
of the WG
Report
Tutorial on
New 2009
Registrar Crystal B (L2)
Accreditation
Agreement
(RAA)
Board
Review:
Presentation
of the Draft Sapphire 4 (L3)
Final Report
of the
Review WG
Trademark Crystal B (L2)

Protection
and New
gTLDs

Root Scaling

Study Crystal A (L2)

Results

At-Large

Name Issues Astor (L36)

Taskforce

Meeting

Registration

Abuse

Policies Sapphire 4 (L3)

Working

Group

SSAC

Review:

Presentation

of the Draft Garnet (L37)

Report of the

Review

Working

Group

GAC

Plenary:

Drafting of Sapphire 1-3 (L3)

Communiqué

(CLOSED)

Board

Committee Crystal B (L2)

on Public

Participation

15:00 - Internationalising Registration Information (Whois Crystal A
16:30 Data) (L2)

16:00 - At-Large Regional Secretariats Meeting Astor (L36)
17:00

16:00 - 17:00	<u>ccNSO Council Meeting</u>	Emerald (L2)
16:00 - 17:30	<u>Board (SIC) Forum on GNSO Improvements/Restructuring</u>	Crystal B (L2)
16:00 - 17:30	<u>Board review: presentation of the draft final report of the review WG</u>	Crystal B (L2)
16:00 - 17:30	<u>ICANN Whois Data Accuracy Study</u>	Sapphire 4 (L3)
17:00 - 18:30	<u>European Regional At-Large Organisation ("EURALO") Monthly Meeting</u>	Garnet (L37)
17:30 - 18:30	<u>Affirmation of Commitments Consultation</u>	Crystal B (L2)
17:30 - 19:00	<u>RAA Drafting Team Meeting</u>	Sapphire 4 (L3)

Thursday, 29 October 2009

Time	Event	Room
07:00 - 09:00	<u>ICANN Fellowship</u>	Athenee (L3)
08:00 - 12:00	<u>Public Forum</u>	Crystal (L2)
11:00 - 12:00	<u>Geographic Regions Working Group</u>	Sapphire 4 (L3)
13:00 - 14:30	<u>IANA Business Excellence Workshop</u>	Sapphire 4 (L3)
13:00 - 14:30	<u>Internet Governance Workshop</u>	Crystal (L2)
13:00 - 15:00	<u>GNSO Wrap-Up Session</u>	Garnet (L37)
14:30 - 18:00	<u>Drafting of GAC Communiqué</u>	Sapphire 1-3 (L3)
15:00 - 16:30	<u>IANA IPv6 Showcase</u>	Sapphire 4 (L3)
15:00 - 17:00	<u>DNS Abuse Forum</u>	Crystal (L2)

Thursday, 29 October 2009

Time	Event	Room
17:00 - 18:00	<u>Special Trademark Issues (STI)</u>	Astor (L36)
17:00 - 18:30	<u>ALAC and RALO Secretariats Wrap-Up Session</u>	Garnet (L37)
17:15 - 18:30	<u>ICANN Security, Stability & Resiliency Activities Update</u>	Sapphire 4 (L3)

Friday, 30 October 2009

Time	Event	Room
07:00 - 09:00	<u>ICANN Fellowship</u>	Athenee (L3)
08:30 - 09:00	<u>Board Committee Reports</u>	Crystal (L2)
09:00 - 10:00	<u>SO/AC Chair Reports</u>	Crystal (L2)
10:30 - 14:00	<u>Meeting of the ICANN Board</u>	Crystal (L2)
14:00 - 18:00	<u>ALAC Executive Committee Meeting</u>	Charlotte (L36)

附件 3

ANNOTATED AGENDA - Seoul- version 1.0
GOVERNMENTAL ADVISORY COMMITTEE - Meeting XXXV

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Explanatory annotations to each agenda point are [indicated in blue](#).

PREPARATORY MEETINGS



0900 HRS –1200 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

OPENING OF PLENARY

IDN ccTLD FAST TRACK AND PDP

Since ICANN’s Sao Paulo meeting in December 2006, the GAC has worked collaboratively with the ccNSO on issues related to the use of IDNs in the ccTLD space. Subsequently two parallel processes were identified to consider the introduction of IDN ccTLDs into the domain name system: the longer term policy elements will be considered through a country code policy development process (ccPDP); and a cross-constituency working group would be established to develop a methodology to enable the introduction of a limited number of IDN ccTLDs through a “fast track” process. Noting that the “fast track” process is not to pre-empt the outcome of the ccPDP. The IDN ccTLD fast track envisages to develop and examine the feasibility of introducing in a timely manner and in a manner that ensures the continued security and stability of the Internet, of a limited number of non-contentious IDN ccTLDs, associated with the ISO 3166-1 two-letter codes. Proposed Final Implementation Plan for for IDN ccTLD fast track process was posted publicly on 30th September 2009. Further on the basis of the Final Version of the Issue Report submitted to the ccNSO Council on 2 April 2009, the ccNSO Council resolved to initiate the IDN country code Policy Development Process. This session will discuss proposed IDN ccTLD fast track plan of implementation and is expected to endorse the same. GAC will also be discussing the IDN ccPDP during the session and finalise GAC input to IDN ccPDP Topic paper based on the draft “GAC Principles on IDN ccTLD” prepared by Manal Ismail – Egypt .The briefing papers are available at **<Brief on IDN ccTLDs>** and **<Brief on IDN ccPDP>**

1400 HRS – 1700 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

ANNOTATED AGENDA - Seoul- version 1.0
GOVERNMENTAL ADVISORY COMMITTEE - Meeting XXXV

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Explanatory annotations to each agenda point are [indicated in blue](#).

NEW GTLD AG V3

Introducing new generic top-level domains (gTLDs) has been in the discussion to foster choice and competition in domain name space. This involves evolution of the namespace towards an enhanced diversity of services and service providers and needs planning and management effectively to preserve the security, stability, and global interoperability of the Internet. The proposed policy to guide the introduction of new gTLDs was created by the Generic Names Supporting Organization (GNSO) through its bottom-up, multi-stakeholder policy development process. Following the ICANN’s Paris meeting, the ICANN Board resolved that the introduction of new gTLDs is capable of implementation. Further GAC’s intervention citing the GAC principles to avoid country, territory or place names should be avoided unless an agreement with the relevant governments or public authorities. On 4 October 2009, version 3 of the New gTLD Applicant Guidebook was released for a 52 day public comment period. **This session will be discussing the implementation of new gTLDs and is expected to discuss the issues concerning Scalability of gTLD Expansion and Stability of the Internet, Economic Studies, Risk of End User Confusion, Competition (registry-registrar integration),gTLD Categories, in particular Geographical names, Objection Procedures and Costs, with particular reference to Public Order and Morality Objections, Government involvement after gTLD delegation, Application Fees and surpluses, Intellectual Property Safeguards and Defensive Registrations ,Level of awareness amongst stakeholders and the business community and Operational readiness. A briefing paper is available at < A briefing paper on Introduction of New gTLDs >**

1700 HRS - 1800 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

MEETING WITH GNSO

This session will have interaction with GNSO Council to discuss New gTLD policy implementation (Draft Applicant Guidebook, V3.) and Affirmation of Commitments (AoC).

1800 HRS – 1900 HRS

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MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

COCKTAIL WITH BOARD



0900 HRS - 1100 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (CRYSTAL A & B AT LEVEL 2)

OPENING CEREMONY AND PRESIDENT’S REPORT

1100 HRS – 1230 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (CRYSTAL A & B AT LEVEL 2)

PARTICIPATION IN ICANN WORKSHOPS

1230 HRS TO 1400 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

GAC BOARD JOINT WORKING GROUP MEETING OVER LUNCH (CLOSED SESSION)

The joint working group (JWG) was established to conduct a review of the role of the GAC within ICANN, in accordance with the ICANN Board Resolution at its meeting in Sydney and the GAC Communiqué from the GAC meeting in Sydney in June 2009 . The GAC will participate in an open-ended manner and has named a GAC co-chair: Heather Dryden, Canadian GAC representative. The ICANN Board has appointed the following Board Members to the JWG, and has named a Board co-chair: Raimundo Beca; Ram Mohan; Ray Plzak (co-chair); Jean-Jacques Subrenat; Katim Touray. The JWG intends to produce a report on the review of the role of the GAC containing analysis as well as recommendations, as appropriate, to the ICANN Board, no later than June 2010. During this joint meeting , it is expected to Consider the draft Terms of Reference prepared by the co-chairs of the GAC/Board Working Group. A briefing paper is available at **<GAC briefing for information on Joint GAC/Board Working Group >**

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1400 HRS TO 1800 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (CRYSTAL A & B AT LEVEL 2)

PARTICIPATION IN ICANN WORKSHOPS



0830 HRS TO 1030 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

**ROLE OF GAC AND INSTITUTIONAL EVOLUTION OF ICANN IN LIGHT OF THE AOC
(CLOSED SESSION)**

The Improving Institutional Confidence initiative was begun by the President’s Strategy Committee (PSC) and has been in process for over 18 months. The PSC was formed in December 2005, following a resolution by the Board asking it to make observations and recommendations concerning strategic issues facing ICANN. During a Midterm Review in February 2008 by the US Department of Commerce (NTIA) of the Joint Project Agreement of ICANN with the United States government, the PSC was identified by ICANN's chairman, Peter Dengate Thrush, as the group to facilitate discussions with the community about the issues raised regarding ICANN's transition to the private sector. The PSC was asked to outline a plan for developing such a transition framework. Now since the Affirmation of Commitments (AoC). Is announced, this session will discuss role of the GAC and in the light of AoC. A briefing paper is available at < **GAC briefing for information IMPROVING INSTITUTIONAL CONFIDENCE** >

1045 HRS TO 1230 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

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SECURITY RELATED ISSUES

Internet has thrived by engaging many stakeholders who collaborate to foster communication, creativity and commerce in a global commons. The interoperability of the global commons depends on the operation and coordination of the Internet's unique identifier systems. ICANN and the operators of these systems acknowledge that maintaining and enhancing the security, stability and resiliency of these systems is a core element of their collaborative relationship. The plan notes the growing risks to the security, stability and resiliency of the unique identifier systems and the need to collaboratively address these risks. This session will address the issues of ROOT SIGNING BY MATT LARSON / KEN SILVA OF VERISIGN TEAM / ICANN , ROOT SCALABILITY – UPDATE ON THE STUDY BY SSAC TEAM, BRIEF COMMENTS ON Wildcard concerns by the SSAC team/ Steve Crocker , SSR brief overview by Greg Rattray , Attack Vectors – with an emphasis on what DNSSEC does and what it does not do. By Ken Silva/ Pat Kane VeriSign team and a case study on the Educase registry/registrar implementation lessons learned will be highlighted . Briefing papers are available at <[DNSSEC brief](#)> , <[DNS Wildcard brief](#)> and <[SSR plan brief](#)>

1245 HRS TO 1345 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

LUNCHEON HOSTED BY KOREA INTERNET & SECURITY AGENCY

1400 HRS TO 1530 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

MEETING WITH ALAC

ICANN's At-Large Advisory Committee (ALAC) is responsible for considering and providing advice on the activities of the Internet Corporation for Assigned Names and Numbers (ICANN), as they relate to the interests of individual Internet users (the “At-Large” community). ICANN, as a private sector, non-profit corporation with technical management responsibilities for the Internet's domain name and address system, relies on the ALAC and the broader At-Large community to involve and represent in ICANN a broad set of individual Internet user interests. During this session GAC will have interaction with ALAC on **NEW GTLDS AND AOC**

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1545 HRS - 1630 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

PREPARATION OF THE MEETING WITH BOARD (CLOSED SESSION)

This session within GAC will discuss matters pertaining to Institutional evolution in post JPA environment
IDN ccTLD Fast Track ,new gTLD DAG and ICANN meeting planning to be discussed with ICANN Board..

1630 HRS - 1730 HRS

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHIRE 1-3 AT LEVEL-3)

GAC CLOSED MEETING WITH BOARD

This session will take up matters with ICANN Board in the area of Institutional evolution in post JPA environment.

1730 HRS – 1830 HRS

GAC OPEN MEETING WITH BOARD

This session will take up matters with ICANN Board in the areas of IDN ccTLD Fast Track ,new gTLD DAG and ICANN meeting planning.

1830 HRS

GALA Event



0830 hrs – 0900 hrs

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MEETING PLACE: LOTTE HOTEL, SEOUL (SAPHIRE 1-3 AT LEVEL-3)

Program Committee meeting

This will involve forming a small team of GAC members to plan and prioritize on the topics and issues to be discussed for the next GAC meeting during March 2010 in Nairobi.

0900 hrs – 0930 hrs

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPHIRE 1-3 AT LEVEL-3)

BRIEFING ON IPv4 / IPv6 TRANSITION

The linked issues of: (a) depletion of the RIR’s IPv4 address pool, and (b) deployment of IPv6 have been the subject of several joint GAC/NRO meetings. Current issues are global policy proposal for allocation of remaining IPv4 address blocks and seek clarification from the ASO/NRO of any contentious aspects, seek an update from ICANN on progress towards the IPv4/IPv6 measures contained in the 2009-2012 Strategic Plan and Individual GAC members to consider updating the GAC on national initiatives to encourage deployment of IPv6. A briefing paper is available at [<IPv4 / IPv6 brief>](#)

0930 hrs – 1200 hrs

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHERE 1-3 AT LEVEL-3)

GAC Plenary

This session will take up and finalise inputs on New gTLD AG (GAC comments on DAG v3) ,IDN ccTLD FT; IDN ccPDP (endorsing reply to the list of issues) ,Elections of GAC vice-chairs ,Adoption of the GAC work program for 2010 ,Role of the GAC and institutional evolution of ICANN in light of the AoC and Amendments of Article IX of GAC Operating Principles

1400 hrs – 1800 hrs

MEETING PLACE: LOTTE HOTEL, SEOUL (SAPPHERE 1-3 AT LEVEL-3)

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Drafting of Communique (closed)

14H00 -18H00 (CLOSED)

DRAFTING OF THE COMMUNIQUE

This session will prepare the formal communiqué' of the GAC Plenary session for communication to ICANN.



MEETING PLACE: LOTTE HOTEL, SEOUL (CRYSTAL A & B AT LEVEL-2)

ICANN WORKSHOPS

Public Forum : Reports of Supporting Organisations & Advisory Committees to the Board



MEETING PLACE: LOTTE HOTEL, SEOUL (SAPHIRE 1-3 AT LEVEL-3)

ICANN Board meeting

附件 4

ICANN/GAC 2009 年 首爾會議公報



Governmental Advisory Committee

GAC Communiqué – Seoul

I. INTRODUCTION

The Governmental Advisory Committee (GAC) of the Internet Corporation for Assigned Names and Numbers (ICANN) met in Seoul, during 25 – 28 October, 2009.

58 members, including 2 remotely, 3 observers and one invited country, Russia, participated in the meeting.

The Governmental Advisory Committee expresses warm thanks to the Korean Internet & Security Agency and the Korean Communication Commission for hosting the meeting in Seoul and ICANN for supporting the GAC meeting.

II. IDN ccTLDs

The GAC takes note of the latest version of the Draft Implementation Plan prepared by ICANN staff and welcomes the progress made towards resolving a number of outstanding issues, raised by the GAC in previous meetings. The GAC also appreciates the briefings provided by ICANN staff both during and before the Seoul meeting.

The GAC welcomes the confirmation provided by ICANN staff that the delegation of IDN ccTLDs will not be contingent: upon any agreement between ICANN and the IDN ccTLD operator regarding the payment of fees for the processing of the application or annual cost contribution fees and that discussion on reaching agreement on fees expected by ICANN will, if necessary, continue after the delegation of the TLD.

The GAC also notes that the possibility of allowing for single character IDN ccTLDs and the treatment of variants are still two issues that have to be resolved, and would encourage ICANN to address these issues as a matter of urgency.

The GAC intended to adopt Principles on IDN ccTLDs but has been asked by members of the ccNSO to delay adoption to allow time for the ccNSO to offer comments. The Draft Principles are attached to this Communiqué (Annex A). The GAC invites the whole of the ICANN community to provide comments on the document ahead of the next meeting.

The GAC intends to adopt a final version during its next meeting.

III. New gTLDs

The GAC provided ICANN with extensive comments on the DAG version 2 in its letter to the Board dated 18th August. The GAC appreciates the reply provided by the Chairman of the Board on 22nd September. Following discussions in Seoul however, both between GAC members and with other stakeholders, the GAC feels that many of its concerns remain outstanding, related in particular to:

- the need to take full account of the security, stability and resiliency issues including those identified in the recent root scaling reports. These concerned the potential cumulative effects of changes resulting from the introduction and implementation of DNSSEC, IDNs, new gTLDs and IPv6;
- the importance of further economic studies to improve the community's understanding of all the costs, benefits and market impacts;
- the need for more effective protection of intellectual property rights;
- the ongoing discussions within the community regarding structural separation between registries and registrars, price caps and the potential impacts on competition in the DNS market;
- the need to explore track differentiation between categories;
- the need to respect national public interests and sovereign rights regarding strings with geographical meaning;
- the need to assist developing countries which would otherwise be constrained by their limited access to financial and technical resources.

In the expectation that a new draft of the Applicant Guidebook will be issued, the GAC does not intend to comment at this stage in detail on version 3.

The GAC therefore intends to provide more comprehensive comments to the Board before the next meeting in Nairobi.

IV. Affirmation of Commitments

The GAC welcomes the Affirmation of Commitments (AoC) as a positive step in the development and future of the DNS and its management.

The GAC endorses the focus of the AoC on the commitments, by ICANN, to ensure that decisions made related to the global technical coordination of the DNS are made in the public interest. That is in particular that they are transparent and accountable to the global community; preserve the security, stability and resiliency of the DNS; promote competition, consumer trust, and consumer choice in the DNS marketplace; and facilitate international participation in DNS technical coordination.

The GAC recognizes that it has a key role under the new agreement, not least given the emphasis in that agreement on the need for ICANN to act in the public interest, but also specifically in terms of the GAC's role in the formation of the review teams.

The GAC feels that the review process will be an important means to confirm that these commitments are being met. The GAC will also be following the implementation of these commitments closely.

The GAC notes the very tight timetable of the first review process and looks forward to an early engagement in the discussion on the methodology. The GAC has had an initial exchange of views and has not yet come to any conclusion as to the format of the review teams or this methodology. The GAC will provide its views in due course.

V. The ICANN Board / Governmental Advisory Committee (GAC) Joint Working Group (JWG) on the Review of the role of the GAC

The JWG held its first face-to-face meeting in Seoul. The JWG reviewed and agreed on its terms of reference (attached as Annex B). JWG members also began an exchange on several of the issues and priorities for consideration by the JWG. The next face-to-face meeting will be held at the ICANN Nairobi meeting.

VI. Briefings from SSAC and RSSAC

The GAC welcomes the detailed briefings from the SSAC, RSSAC and VeriSign on DNSSEC and the signing of the root, the Root Zone Scaling Study and SSAC advisory on the problems associated with the use of wildcards. The GAC regrets that an assessment of the impact of changes to the root zone file was not made much earlier in the launching of initiatives such as new

gTLDs, IDNs, IPv6 and DNSSEC. This has regrettably created a high degree of uncertainty. Moreover, many stakeholders have already made significant investments in respect to these initiatives. They have a legitimate right to expect a more predictable environment in which to make important investment and operational decisions which is not helped by the current uncertainty.

VII. Law enforcement briefings

The GAC received a briefing from representatives of law enforcement on domain name abuse by criminals. They provided a summary of their due diligence recommendations for ICANN to adopt in accrediting registries and registrars, which the GAC will consider.

VIII. Work Program 2010

The GAC identified the following priorities for 2010:

- implementation of the Affirmation of Commitments,
- security, stability and resiliency of the DNS,
- the ICANN Board / Governmental Advisory Committee (GAC) Joint Working Group (JWG) on the Review of the role of the GAC follow-up to IDN ccTLD introduction under the fast track procedure and contribution to the IDN ccPDP,
- introduction of new gTLD,
- IPv4 depletion and deployment of IPv6

The work program is subject to review and will be adjusted as challenges arise.

IX. ICANN Meeting Preparation

As a result of difficulties experienced by the GAC in its efforts to coordinate contributions from law enforcement representatives with ICANN sessions on "Abuse of the DNS" in Seoul, the GAC urges ICANN to adopt a more streamlined approach to the planning process for each ICANN meeting. Specifically, the GAC recommends that ICANN adopt new procedures to facilitate coordination and early input from the Supporting Organizations and Advisory Committees in determining priority issues for discussion and for the scheduling of sessions, particularly those for broad Community participation, that meet the needs of the SOs and ACs. A mechanism should be created with deadlines for initial contributions from the SOs and ACs, with subsequent deadlines for any necessary amendments, that would permit staff to develop a draft proposed composite agenda for review at least 6 weeks prior to each meeting. The GAC recommends that agendas be finalized 30 days prior to each meeting to permit all interested stakeholders

to effectively prepare for their participation. GAC members undertake extensive consultations in national capitals, consistent with their obligations to promote and protect the public interest, which requires a longer lead time for meeting preparations.

X. Elections

Mr. Jayantha Fernando from Sri Lanka was re-elected to the position of Vice Chair. Ms. Maimouna Diop Diagne from Senegal and Ms. Heather Dryden from Canada were elected to the positions of Vice Chairs.

The decision is effective from the end of the first meeting of 2010.

The GAC thanks Mr. Bertrand de La Chapelle, from France and Ms. Manal Ismail, from Egypt, for their service in capacity of Vice Chairs and their outstanding contribution to the work of the GAC.

* * * *

The GAC warmly thanks all those inside and outside the ICANN community who have also contributed to the dialogue with the GAC in Seoul.

The next GAC meeting will be during the period of the ICANN meeting in Nairobi, Kenya.

Seoul, 28 October 2009

Draft GAC Principles on IDN ccTLDs

[FINAL VERSION 28 October 2009]

1. **General Principles** The main provisions of the GAC ccTLDs principles: "[*Principles and Guidelines for the Delegation and Administration of Country Code Top Level Domains*](#)" apply also for IDN ccTLDs. The current principles are intended to supplement the aforementioned principles insofar as non-ASCII ccTLDs are concerned.
2. The introduction and operation of IDN ccTLDs should not undermine the security and stability of the DNS. To this end, all actors, including TLD operators, ICANN and the relevant government should work together to ensure that the highest standards of TLD operation are achieved, taking account of best practices and internationally accepted technical standards where they exist.
3. All countries and distinct economies, listed in the International Standard ISO 3166-1¹ have equal rights to creating IDN ccTLDs that reflect their languages and scripts.
4. Ultimate public policy authority over the IDN ccTLD(s) of a country or distinct economy rests with the government or relevant public authority. How this authority is exercised, is determined by applicable law.
5. On receipt of an IDN ccTLD application, ICANN should ensure that either the proposal has the support of the Government or relevant public authority or that the Government or relevant public authority raises no objections to the application. In the event that such confirmation is not obtainable, ICANN should desist from the introduction of the proposed IDN ccTLD until such confirmation is obtained.
6. The number of IDN strings per territory should reflect the cultural and linguistic characteristics of the community concerned. A limit on the number of IDN strings per territory may only be considered if there are reasons to believe that some form of limitation on the

¹ Codes for the representation of names and countries and their subdivisions – Part 1: Country Codes. The exception to this requirement is the additional eligibility of the European Union, which has an exceptionally reserved code designated by the ISO 3166 Maintenance Agency
GAC Communiqué—Seoul

overall size of the root zone file is necessary to preserve the stability of the DNS. If a limit is to be introduced, this should be done in agreement with the government or relevant public authority of the territory concerned, and adequate justification for such a limit should be made clear beforehand in order for territories to establish their priorities properly.

7. It is anticipated in most cases that the Government or relevant public authority will decide that one IDN ccTLD per script will be sufficient, but it should also be borne in mind that within some countries and distinct economies different scripts are in use and, in some cases, the same script is used in a number of widely used languages. In these cases the Government or relevant public authority may determine that more than one IDN ccTLD is necessary.

IDN ccTLDs Strings

8. It is anticipated that an IDN ccTLD string will normally:
 - be shortest meaningful representation of the name of the territory
 - not be restricted to a fixed length, its maximum length being set by the prevailing technical standards with stability, security, integrity and usability in mind
9. Given the different form that IDN ccTLDs will take and the absence of an equivalent of the ISO 3166-1 list used for ASCII ccTLDs, the experience of relevant international organizations² should be taken into account.
10. Only the Government or the relevant public authority of the country or distinct economy concerned, representing all relevant stakeholders within its jurisdiction, can provide authoritative advice to ICANN on the legitimacy of any application for an IDN ccTLD.
11. An IDN ccTLD string that refers to a specific country or distinct economy, even if unapplied for, should be reserved for it.

IDN ccTLDs Scripts

12. Nobody has property rights over a script. Some scripts are commonly used to write more than one language and should be available to be used for IDN ccTLD purposes in each of those languages.
13. It is recommended that each language community develop one language table for its script. Language tables, after elaboration,

² Example, UN Conference on the Standardization of Geographic Names, UNESCO and ITU GAC Communiqué—Seoul

should be deposited with IANA and posted for public use by any registry with no restriction in any sense.

14. The latest available version of Unicode in use should be complete, including all scripts, and constantly upgraded with newer versions to help include maximum character sets of any language and ensure a strong and dynamic variant table to handle security issues.

Stakeholders

15. Relevant actors for international coordination include:
 - Concerned governments
 - Relevant international organizations within their respective mandates
 - Standardization bodies
 - Language experts
 - Language communities and local users
 - ICANN SOs/ACs
 - ISOC (chapters)
 - IETF
 - Unicode consortium
16. All relevant actors should participate in a public and inclusive consultation process, at the international level, and work towards evolving a consensus for IDN ccTLDs formulation from the point of view of technical and operational stability, security as well as addressing public-policy issues.

Introduction and Delegation of IDN ccTLDs

17. Procedure for delegation of an IDN ccTLD should follow GAC ccTLDs principles: [*"Principles and Guidelines for the Delegation and Administration of Country Code Top Level Domains"*](#).
18. A mandated list / reference table of strings representing the IDN ccTLDs of countries and distinct economies, as listed in the ISO 3166-1³, would facilitate management and would ensure predictability of the IDN ccTLD system.
19. Competing or confusingly similar requests should be dealt with on a case by case basis and resolved in consultation with all concerned stakeholders.

³ Codes for the representation of names and countries and their subdivisions – Part 1: Country Codes. The exception to this requirement is the additional eligibility of the European Union, which has an exceptionally reserved code designated by the ISO 3166 Maintenance Agency
GAC Communiqué—Seoul

20. Policies for dealing with multiple applications, objections to applications or disputes that are currently applied for ASCII ccTLDs should be equally applied to IDN ccTLDs.
21. The decision regarding whether an existing ASCII ccTLD manager should also be the operator of a corresponding IDN ccTLD is a matter to be decided by the national/local Internet community, including the government or relevant public authority, subject to applicable legislation. In cases of dispute, ICANN should seek authoritative advice from the government or relevant public authority.
22. There should be some form of transparent communication as appropriate between ICANN and any IDN ccTLD registry to define their respective roles and responsibilities.

Annex B

Terms of Reference Joint Working Group (JWG) on the Review of the Role of the GAC

This joint working group was established to conduct a review of the role of the GAC within ICANN, in accordance with the ICANN Board of Directors resolution at its 26 June 2009 meeting in Sydney, Australia (Annex A), and the GAC Communiqué from the GAC meeting in Sydney in June 2009 (Annex B) . This action was prompted by the report of the President's Strategy Committee in March 2009 and Annex A of the Affirmation of Responsibilities, *Joint Project Agreement (JPA)*, item 7 (Annex C).

Membership of the JWG

1. ICANN Board. The ICANN Board has appointed the following Board Members to the JWG, and has named a Board co-chair:

Raimundo Beca
Ram Mohan
Ray Plzak, co-chair
Jean-Jacques Subrenat
Katim Touray

2. GAC. The GAC will participate in an open-ended manner and has named a GAC co-chair: Heather Dryden, Canadian GAC representative

Background

The Governmental Advisory Committee was established by Section 2, paragraph 1 of Article XI of the ICANN bylaws. Specific activities of the GAC are described in sub-paragraphs a and f through k and the GAC Operating Principles, dated 5 April 2005

Meetings

The JWG shall hold open face-to-face meetings and provide an opportunity for community input. Intersessional teleconferences will also be held, so that the JWG can accomplish its objectives.

Engagement with the ICANN community

The joint working group shall ensure that the ICANN community is engaged in a fully consultative process, including via open joint working group face-to-face meetings, providing an opportunity for community input and shall determine any additional measures in such a manner and time in order to support its ability to complete its other objectives by their established completion dates

Objectives

The JWG shall produce a final report on the review of the role of the GAC containing analysis as well as recommendations, as appropriate, to the ICANN Board, no later than the Brussels meeting in June 2010, on the objectives listed below.

The JWG shall maintain the flexibility to produce analysis and/or recommendations on particular items, as appropriate, to the ICANN Board ahead the final report.

Objective 1 GAC advice to the Board

ICANN Bylaws Article XI, Section 2, Paragraphs 1i through 1k provide for the interaction between the Board and the GAC regarding advice. The GAC Operating Principles provide implementation details that have been adopted by the GAC regarding advice to the ICANN board.

The joint working group shall:

identify any GAC and/or Board processes that exist to accomplish this task, the nature of each process, the effectiveness of each, and whether improvements shall be made to any of these processes, or if any should be discontinued, or if any should be established.

Objective 2 GAC liaisons to the ICANN Board and Nominating Committee

ICANN Bylaws Article XI, Section 2, Paragraph 1f provides for the establishment of a liaison from the GAC to the ICANN Board and the ICANN Nominating Committee.

The joint working group shall:

analyze the mode of operation of these liaisons, including in comparison to other liaison arrangements, as well as the effectiveness of their operation, and whether improvements can or should be made...

Objective 3 GAC liaisons to the ICANN Supporting Organizations and Advisory Committees

ICANN Bylaws Article XI, Section 2, Paragraph 1g provides for the establishment of liaisons from the GAC to ICANN Supporting Organizations and other ICANN Advisory Committees.

The continued evolution of ICANN and its policy development processes has further led to an increased focus on the nature of GAC interaction with other parts of the ICANN community.

The joint working group shall:

identify each of the liaisons, analyze the mode of operation of each of these liaisons, the effectiveness of their operation, and whether improvements can or should be made to facilitate GAC work with ICANN Supporting Organizations and other ICANN Advisory Committees.

examine the effectiveness of GAC interaction with other parts of the community, particularly related to ICANN's policy development processes, and whether improvements can be made to these arrangements.

Objective 4 Support of GAC activities

The ICANN board asks the group to consider measures to enhance support of the GAC's work including interpretation of meetings, translation of documents, and extension of travel support for GAC members from the Least Developed Countries, and remote participation at GAC meetings

The joint working group shall:

consider the role of ICANN staff in supporting the current and future needs of the GAC (including briefings, access to third party advice, collaboration tools, facilitation of face-to-face meetings) as a priority. Experience with regard to the support provided by ICANN to other advisory committees and supporting organizations shall be drawn upon.

identify measures that could enhance the support of the GAC's work, taking into account cost factors for the measures, identify implementation parameters, and identify any operating processes or procedures that would be required to implement the measures.

Objective 5 Ways for governments to be informed about ICANN

The ICANN board asks the group to propose better ways for governments to be informed about ICANN.

The joint working group shall:

identify measures and means that improve the ways for governments to be informed about ICANN, particularly those governments currently not participating in the GAC, and identify any operating processes or procedures that would be required to implement the measures.

Objective 6 GAC interaction with the ICANN Board and community

The ICANN board asks the group to propose better ways for enhanced opportunities for the GAC to interact with the ICANN Board and community.

The joint working group shall:

identify exemplar means and methods for GAC to interact with the ICANN Board and community and to contribute at the earliest opportunity to the Policy Development Processes.

Annex B.1

EXTRACT of the resolution by the ICANN Board of Directors regarding the creation of the Joint Board-GAC working group, at its meeting in Sydney, June 2009

“8. President's Strategy Committee's Recommendations on Improving Institutional Confidence: The Way Forward

Whereas, the President's Strategy Committee ("PSC") was established in 2006 to advise the President and the Board on strategic issues facing ICANN.

Whereas, during the Midterm Review by the National Telecommunications and Information Administration in February 2008 of the Joint Project Agreement, the PSC was identified by ICANN's Chairman, Peter Dengate Thrush, as the group to facilitate discussions with the community about the issues raised regarding ICANN's planned transition to the private sector.

Whereas, the PSC was asked to outline a plan for developing a transition framework.

Whereas, the PSC conducted several public meetings around the world and ran two online consultations on successive drafts of its documents.

Whereas, the PSC delivered a draft Implementation Plan on Improving Institutional Confidence to the Board at ICANN's Mexico City meeting in March 2009.

Whereas, at the Board meeting on 6 March 2009, the Board thanked the PSC for its work and posted the report for public comment for 60 days.

Whereas, the Board resolution also directed staff to evaluate implementation of the proposals and report its findings to the Board.

Whereas, "Improving Institutional Confidence: The Way Forward," a set of proposed staff implementation recommendations was published on 1 June 2009 <<http://www.icann.org/en/announcements/announcement-2-01jun09-en.htm>> for community review.

Whereas, a range of community feedback has been received throughout the Sydney ICANN meeting.

Whereas, the Governmental Advisory Committee has proposed a joint Board-GAC working group to initiate a process to consider the role of the GAC within ICANN.

Whereas, the Board has reviewed the recommendations mentioned below from the PSC and considered the public input offered on the recommendations, the

consequent staff recommendations and the GAC communiqué of the Sydney meeting.

Resolved (2009.06.26.23), the Board resolves to:

1. Establish a Board-GAC joint working group to review the GAC's role within ICANN and ask this working group to also engage the ICANN community in a fully consultative process on GAC's role within ICANN. ("Improving Institutional Confidence: The Way Forward," Appendix A, Recommendation 1.6) Invite the GAC to nominate a Co-Chair of the joint working group, and request the BGC to nominate five directors, one of whom to serve as Co-Chair, to serve on the joint working group by 31 July 2009.

2. Request the Board-GAC joint working group to consider measures to enhance support of the GAC's work, including interpretation of meetings, translation of documents, extension of travel support for GAC members from the Least Developed Countries, and remote participation at GAC meetings. (1.6.1, 1.6.3)

3. Request the Board-GAC joint working group to propose better ways for governments to be informed about ICANN and for enhanced opportunities for the GAC to meet with the ICANN Board and community. (1.6.2)"

END OF EXTRACT

Annex B.2

EXTRACT from the GAC Communiqué from its Sydney Meeting in June 2009.

“IV. Role of the GAC

The GAC has held productive discussions during the Sydney meeting on its role, and looks forward to an early opportunity to initiate a joint process with the Board on this important topic in accordance with the Board’s commitment in the Affirmation of Responsibilities in the Joint Project Agreement. The GAC proposes a joint working group for this purpose.”

END OF EXTRACT

Annex B.3

EXTRACT From Annex A: Affirmation of Responsibilities, *Joint Project Agreement (JPA)*, item 7:

“7. Role of Governments: ICANN shall work with the Government Advisory Committee Members to review the GAC’s role within ICANN so as to facilitate effective consideration of GAC advice on the public policy aspects of the technical coordination of the Internet.”

END OF EXTRACT

附件 5



President's Report

Rod Beckstrom

October 2009

Agenda

- Affirmation
- IDN ccTLD Fast Track
- New gTLD Introduction
- Financial Update
- Enhancing Security
- DNSSEC
- IANA Names and Numbers
- Contractual Compliance
- Policy Development

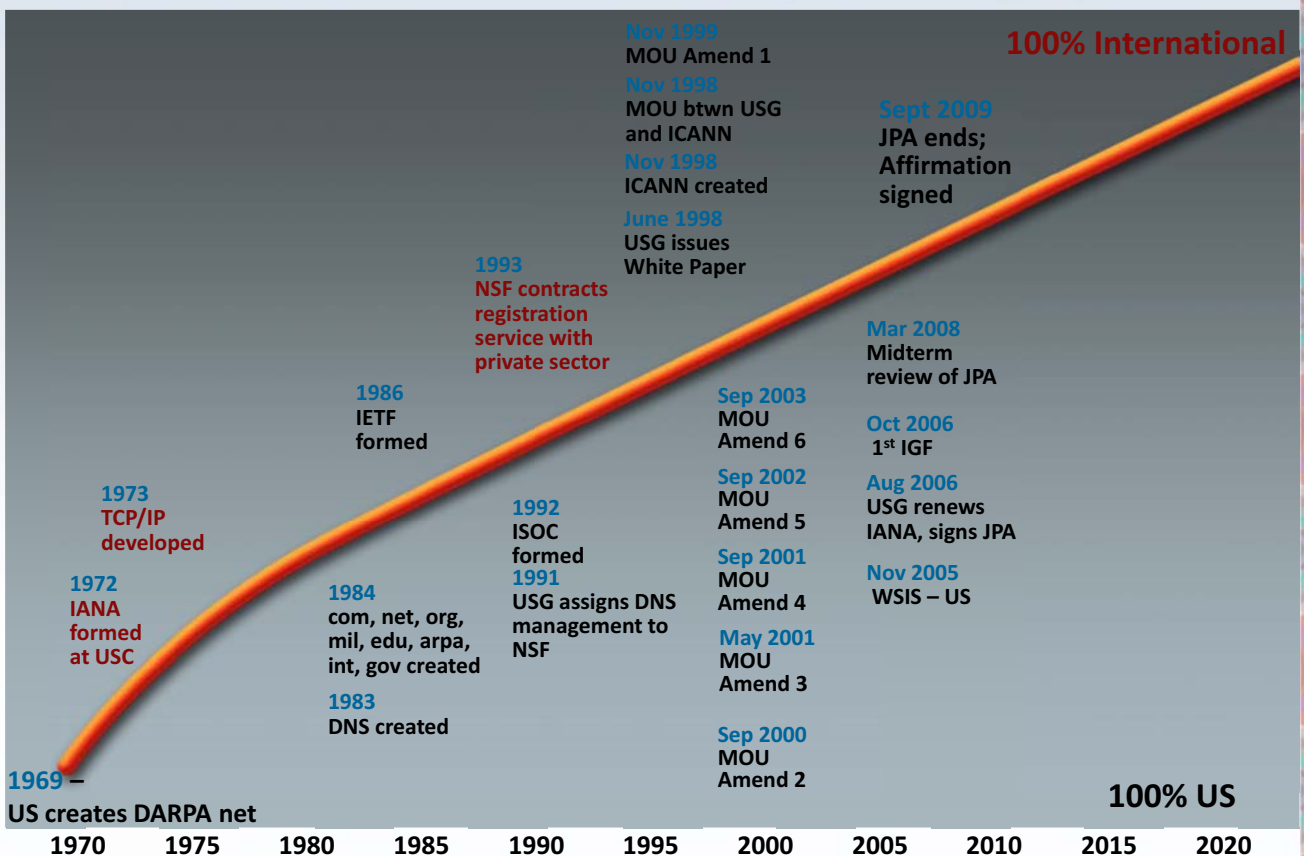


**One World
One Internet
Everyone connected.**

Affirmation of Commitments



The Arc of the Internet



Affirmation of Commitments



**U.S. Department
of Commerce**

Supports Private Sector

Multi-stakeholder model

Supports IDNs

Participates in GAC



Public interest

**Transparency &
Accountability**

3 Periodic Reviews

Report to global public



<http://icann.org/en/announcements/announcement-30sep09-en.htm#affirmation>

Affirmation

- **3 Reviews**
 - Accountability - transparency
 - Security - stability
 - Consumer choice
 - Whois
- **Define review process**
- **First review due Dec 2010**

AOC Consultation

Crystal B

Wednesday 1730 - 1830

Public Forum

Crystal A/B

Thursday 800 - 1200



<http://icann.org/en/announcements/announcement-30sep09-en.htm#announcement>

Global Engagement

- New Accountability Frameworks
- More Exchange of Letters signed
- Increased GAC participation
- International forums: IGF, ITU, etc.
- Regional meetings on ICANN



Accountability Frameworks and Exchange of Letters

- Exchanges of Letters
 - **.ua – Ukraine**
 - **.pt – Portugal**
 - **.vu – Vanuatu**
 - **.uy - Uruguay**
- Accountability Frameworks
 - **.py – Paraguay**
 - **.mx – Mexico**
 - **.ht – Haiti**



International Forums and Regional Events

- IGF, Sharm El Sheikh, November
- ITU Telecom 2009
- Recent and upcoming meetings:
 - CANTO 25
 - APNIC/APTLD
 - Regional ccTLD meetings
 - ACORN-REDECOM
 - MENOG 5

Internet Governance Forum

Crystal A/B

Thursday 1300 - 1430



IDN ccTLD Fast Track

- Final Plan posted
- To Board on **Friday**
- Pending approval
- Plan 16 Nov 2009 start

IDN ccTLD Fast Track Workshop

Crystal A

Monday 1330 - 1500

Explanatory memoranda

Recommendations for relationships with ICANN

Revised IDN Tables
Development and Usage

Financial Contributions for
IDN ccTLD Development
and Deployment

IDN Reception

Crystal A/B

Monday 1830 - 2030



<http://icann.org/en/announcements/announcement-31may09-en.htm>

New gTLD Items

Status

• Malicious Conduct	Advanced
• TM Clearinghouse	To GNSO review
• TM Uniform Rapid Suspension Process	To GNSO review
• Economic studies	Evaluating mechanisms
• Registry/registrar	In process
• Root Scaling	In process



New gTLD Introduction

- Guidebook v3 posted
- 50 changes
- Public comment analysis
 - Previous Guidebook
 - IRT Report
- Comments close Nov 22
- Then to Board

Explanatory memoranda

Trademark protection mechanisms
Mitigating malicious conduct
Enhanced security measures
Registrant protections
Registry obligations outlined



New gTLD Sessions

New gTLD Program Overview

Crystal A/B

Monday 1030 - 1200

Registry/Registrar Separation

Crystal A

Monday 1500 – 1630

Trademark Protection

Crystal B

Wednesday 1230 - 1400

Root Scaling Study

Crystal A

Wednesday 1330 - 1500



New gTLD Timing

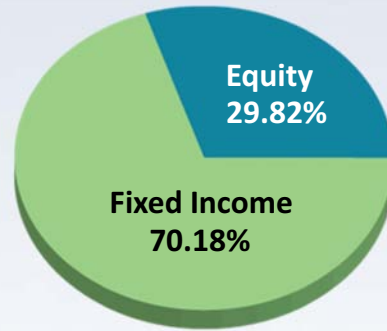
To be determined by
board after issues
successfully addressed



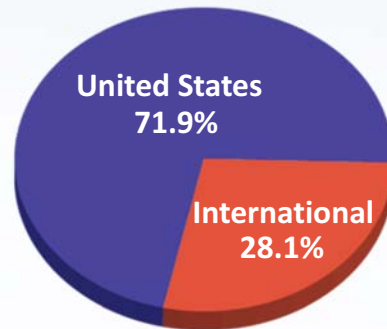
Financial Update

- Economic slowdown = slower growth
- Ops Plan and Budget at March Sydney meeting
- Reserve fund in the black

Reserve Fund – Asset Distribution



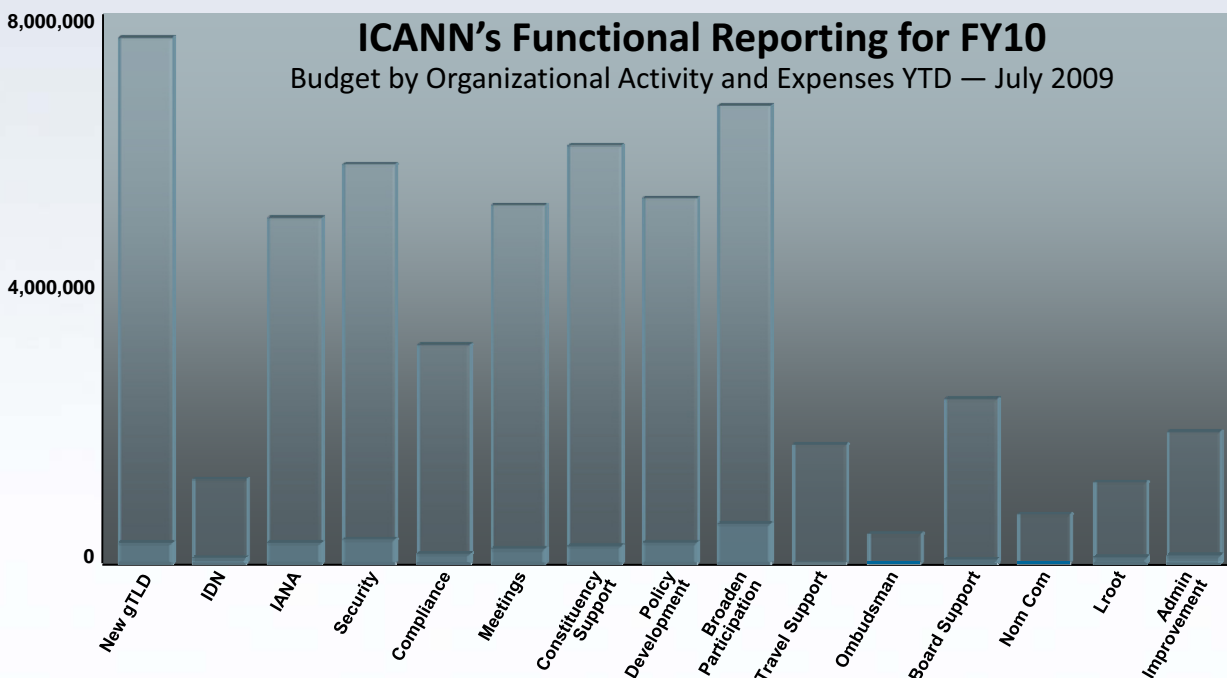
Reserve Fund – Global Nature



<http://www.icann.org/en/financials/adopted-opplan-budget-fy10-07jul09-en.pdf>

Financial Update

- Enhanced reporting



<http://www.icann.org/en/financials/eag-analysis-29may09-en.pdf>

Activities to Enhance Security, Stability, Resiliency

- New gTLDs/IDNs
- Conficker botnet - ccTLDs
- DNS abuse and mitigation
- Implement SSR plan

Malicious Conduct

Crystal A
Monday 1630 - 1800

Root Scaling Study

Crystal A
Wednesday 1330 - 1500

DNS Abuse Forum

Crystal A/B
Thursday 1500 - 1700

ICANN SSR Activities

Sapphire 4
Thursday 1700 - 1930



<http://www.icann.org/en/security>

DNSSEC

- US government, VeriSign, ICANN root signing effort
- DNSSEC signing best practices
- ICANN, VeriSign, NTIA, IAB, and RIRs to sign infrastructure zones in ARPA

DNSSEC Workshop

Sapphire 4
Wednesday 900 - 1200



<http://icann.org/en/announcements/announcement-2-03jun09-en.htm>

IANA Names and Numbers

- Additional 4 IPv4/8s allocated
- Service improvements
- Automation projects

IANA Business Excellence

Sapphire 4

Thursday 1300 - 1400

Key issues

Business Excellence program to start FY 2010

ITAR gaining increased use

Active participant in root scaling study



Contractual Compliance

Registrations Escrowed



Whois Data

Crystal A

Wednesday 1500 - 1630

Whois Data Accuracy Study

Sapphire 4

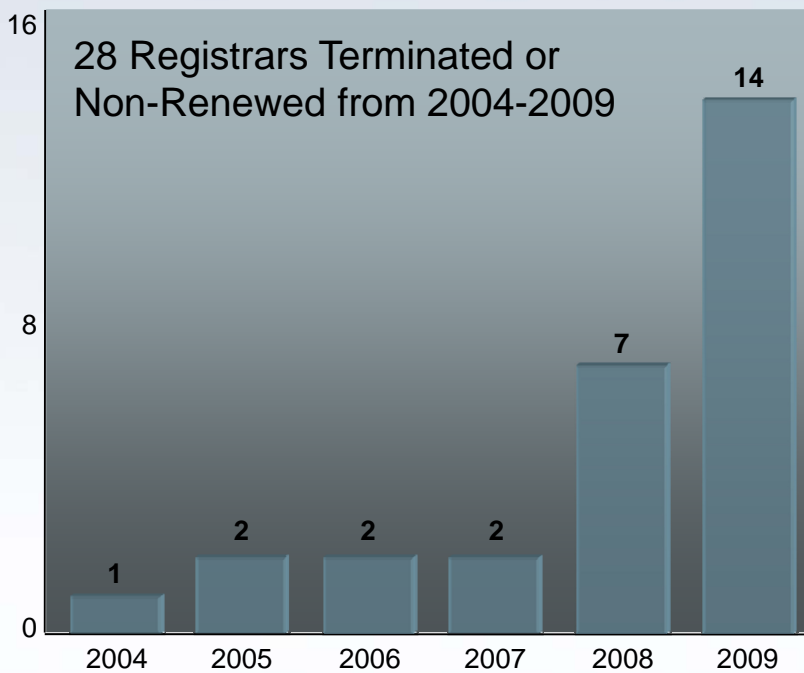
Wednesday 1600 - 1730

87% of Registrants under new RAA



<http://www.icann.org/en/compliance/>

Contractual Compliance



Whois Data

Crystal A

Wednesday 1500 - 1630

Whois Data Accuracy Study

Sapphire 4

Wednesday 1600 - 1730



<http://www.icann.org/en/compliance/>

Community Policy Efforts

- ccNSO
- GNSO
- ASO
- ALAC
- SSAC



GNSO – gTLD Policy and Issues

- New GNSO Council structure launched in Seoul
- Wide-ranging improvement efforts advancing
- Exploring more trademark input for DAG
- Addressing record number of issues to improve the gTLD space
- Reviewing TM Clearinghouse & URS for board



<http://www.icann.or/en/topics/policy/update-oct09/en.htm>

ccNSO – ccTLD Policy and Issues

- IDN ccTLD Fast Track input
- Continuing IDN ccTLD policy work
- Addressing ccTLDs issues



<http://www.icann.or/en/topics/policy/update-oct09/en.htm>

ASO – Regional Internet Registries

- Proposals for global policy:
 - Handling IPv4 address space from RIRs to IANA
 - New date for 32-bit Autonomous System Numbers



<http://www.icann.or/en/topics/policy/update-oct09/en.htm>

ALAC – Individual Internet User Community Activities

- ICANN global participation growing, up 10% in 2009
- 118 user groups
- Policy advisories on new gTLDs and IDN Fast Track
- At-Large improvement initiative
- Improving Institutional Confidence/ICANN Post-JPA



<http://www.icann.or/en/topics/policy/update-oct09/en.htm>

SSAC Activities

- Many security and stability issues:
 - Orphaned DNS records
 - Redirection at the top level of DNS
 - DNSSEC
 - Registrant Protections
 - Root Scaling Study
 - Outcomes from SSAC Review Process



<http://www.icann.or/en/topics/policy/update-oct09/en.htm>



**감사합니다.
Thank You**

Rod Beckstrom
President and CEO

附件 6



IDN ccTLD Fast Track Process

Tina Dam
Sr. Director, IDNs

October 2009

Agenda

- What is the IDN ccTLD Fast Track Process
- Who can participate
- Preparation guidance
- How to submit a request & online demo
- IDN ccTLD string evaluation
- What is the involved cost
- IDN support function
- Implementation status & next steps

What is the IDN ccTLD Fast Track Process



October 2009

IDN ccTLD Fast Track Process

- Process to introduce a limited number of IDN ccTLDs, that
 - are associated with ISO3166-1 two-letter codes
 - are comprised of non-Latin characters
 - includes government and community support
 - represent country/territory names
 - ensures continued stable DNS operation



October 2009

Who can participate in the IDN ccTLD Fast Track Process



October 2009

Requester Eligibility Requirements

- The entity functioning as requester can be:
 - Identified IDN ccTLD manager
 - Government/Public Authority
 - of country/territory listed on ISO3166-1 (or EC)
 - Otherwise appointed entity
- If the requester is not the corresponding government or relevant public authority:
 - letter of government support is required to be included in the request



Preparation Guidance



October 2009

Preparations Guidance

- The string must:
 - be based on an official language (non-Latin)
 - ISO 639 (UN Manual) listed or Government document
 - fulfill technical string criteria (IDNA and Guidelines)
 - 2 char minimum
 - be meaningful to country/territory name
 - long or short version in UN manual
 - if not in UN manual, documentation required
 - can be acronym, usability issue with long strings
 - be supported by local community



Preparation Guidance cont.

- IDN table(s)
 - or reference existing table in IANA
- A-label
 - IDNA 2008 (revised version)
 - new PVALID chars are allowed and may require some manual evaluation
- U-label
- Unicode codepoints
- English translation of string



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Preparation Guidance cont.

- Number of strings:
 - one string per official language or script per country or territory
- Variant management:
 - variant TLDs desired for delegation must be identified by the requesters
 - will be placed on reserved list, allocated to the requester, but not inserted in the DNS root zone
 - non-desired variants will be placed on a blocked list
 - Fast Track Process revision scheduled to allow for potential future allocation of variant TLDs.



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How to submit an IDN ccTLD request



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Submit a request

- Once all preparation is completed & all supporting material is ready:
 - submit the request via online form
 - terms and conditions
 - contact details
 - string details
 - supporting material
 - review and submit
 - online form link to be announced
 - manual for online form to be released



October 2009

Demo



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IDN ccTLD String Evaluation



October 2009

IDN ccTLD String Evaluation

1. Check request for completeness
 - all material and support letters included
 - from adequate government / public authority
2. Linguistic process check
 - verification that processes has been followed for:
 - official language
 - meaningfulness of string
 - community support for string
3. DNS stability evaluation
 - technical criteria & confusability w/ existing strings

DNS Stability Panel

- Panel is coordinated by Interisle
- Panel will look at all strings received for:
 - security, stability, and confusability
 - existing TLDs, other FT strings, gTLD applied strings
- Panel can call additional experts as needed
- Panel can get linguistic support from ICANN
- ICANN will send strings to panel monthly
 - evaluation expected in 30 days (may take less)

Finalizing String Evaluation

- Public posting of string and contacts
 - DNS Stability Evaluation is successfully passed
 - monthly basis
- Requester is informed to initiate the TLD delegation
 - via the IANA Function
 - <http://www.iana.org/domains/root/delegation-guide/>



October 2009

Costs associated with an IDN ccTLD request



October 2009

Cost overview for IDN ccTLDs

- Processing Fee
 - 26.000 USD (or equivalent local currency)
 - invoiced when request is received
- Annual Contribution Fee
 - 1,2,3% of IDN ccTLD registration revenue
 - Based on statement from IDN ccTLD manager
 - payable in local currency
- Pre-arranged and recommended
 - fee waiver to be requested via contact to ICANN



October 2009

IDN support from ICANN



October 2009

IDN Support Function

- During Preparations:
 - emails to idncctldrequest@icann.org
 - at meetings/events or conference calls
- During String Evaluation
 - no communication allowed
 - inquiries directed to ‘request confirmation emails’
- During IANA delegation
 - direct inquiries to IANA
- During launch as needed



21

Implementation Status & What's Next?



October 2009

Implementation Status

- DNS Stability Panel formed
- Request System is ready
 - online form for requests
 - back-end system to log evaluations
 - manual for use of the Request System
- Online IDN area – pending release
- Linguistic processes
 - under continued development based on experience and request for need



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What's Next?

- Community discussions throughout this week in Seoul, Korea
- ICANN Board consideration 30 Oct 2009
 - launch is proposed: **16 November 2009**
- Annually review and possible revision
 - based on user experiences
- Experience will provide input to the long-term IDN ccTLD PDP



October 2009

IDN Reception

Monday night 6-8pm
@ Crystal B (next door)



October 2009



Thank You

Tina Dam

Sr. Director, IDNs

tina.dam@icann.org

+1-310-862-2026

October 2009

附件 7



2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03 478-42-22-02 2001-610-240 193.0.0.203
62-109-128 495-048-02-03 188-8-205 2001-610-240 193.0.0.203 2001-610-240 193.0.0.203
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2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03 478-42-22-02 2001-610-240 193.0.0.203
Number Resource Organization

September 2009

Internet Number Resource Report



INTERNET NUMBER RESOURCE STATUS REPORT

As of 30 September 2009

Prepared by
Regional Internet Registries
AfriNIC, APNIC, ARIN, LACNIC and the RIPE NCC

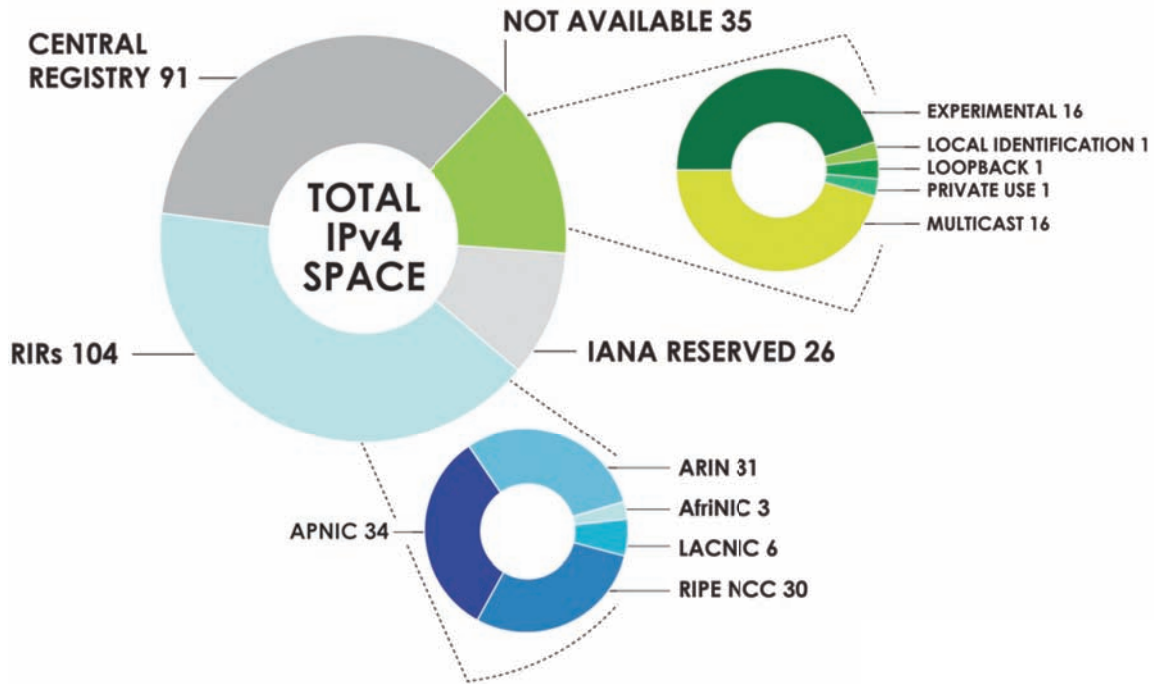
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Number Resource Organization

September 2009

Internet Number Resource Report

IPv4 ADDRESS SPACE

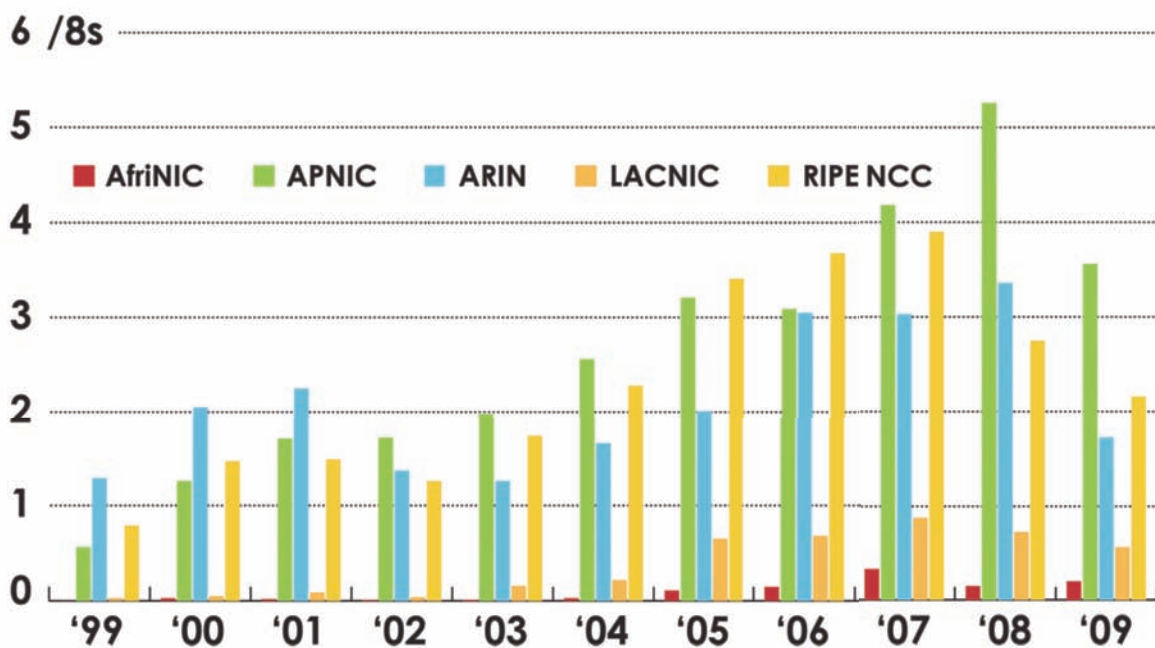
What is the status of each of the 256 /8s?



2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03 478-42-22-02 2001-610-240 193.0.0.203
 62-109-128 495-048-02-03 188-8-205 200-3-10-248 195-048-02-03 478-42-22-02 2001-610-240 193.0.0.203
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 Number Resource Organization

IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much space did each RIR issue by year?



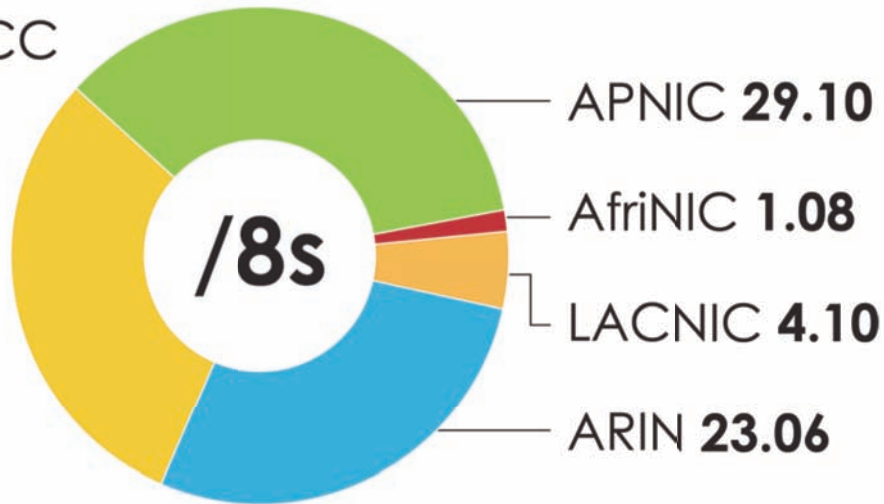
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 Number Resource Organization



IPv4 ADDRESS SPACE ISSUED (RIRs TO CUSTOMERS)

In terms of /8s, how much total space has each RIR issued?
(Jan 1999 – Sep 2009)

RIPE NCC
24.92

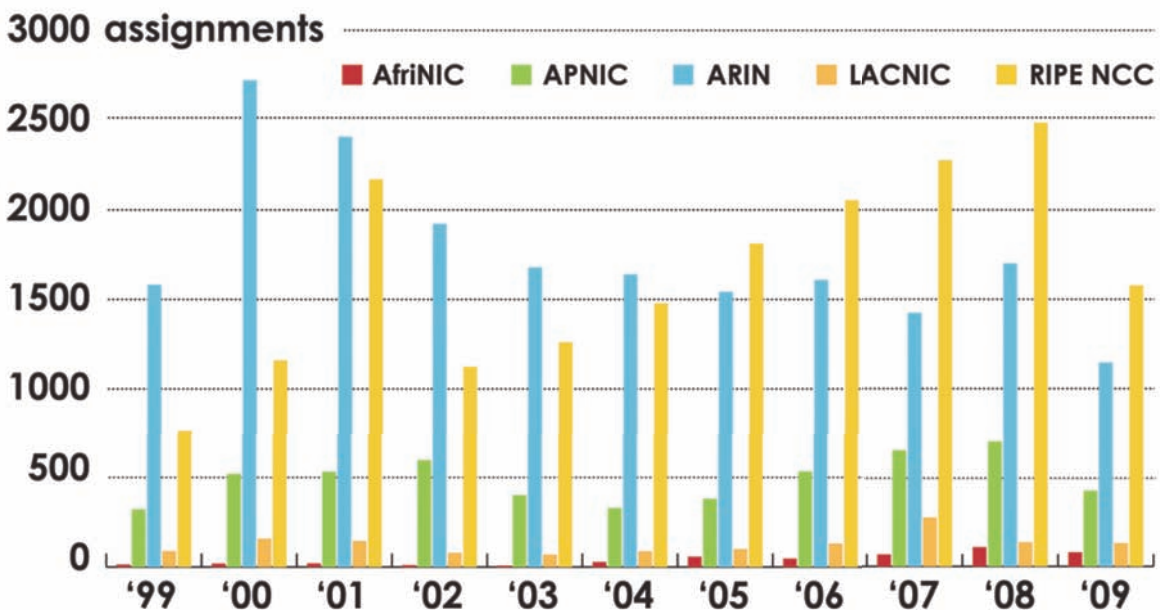


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 Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many ASNs has each RIR assigned by year?



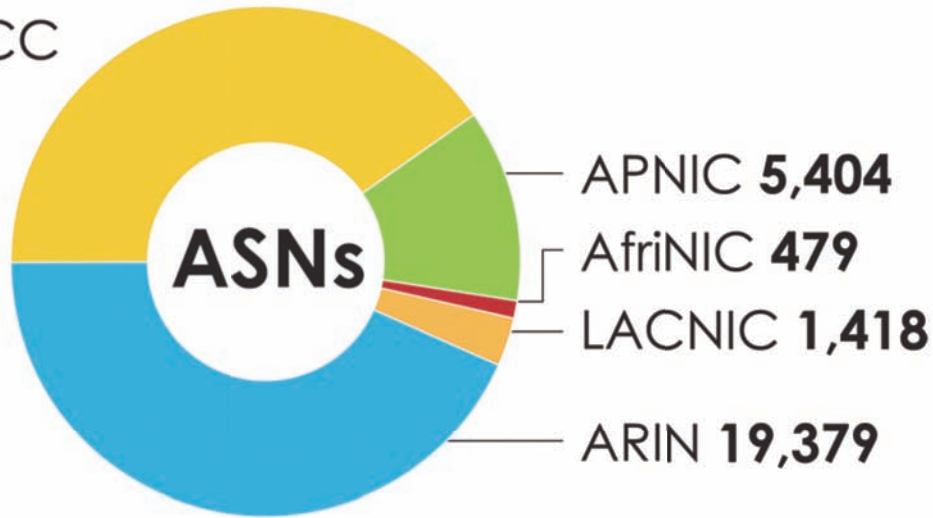
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 Number Resource Organization



ASN ASSIGNMENTS (RIRs TO CUSTOMERS)

How many total ASNs has each RIR assigned?
(Jan 1999 – Sep 2009)

RIPE NCC
18,170

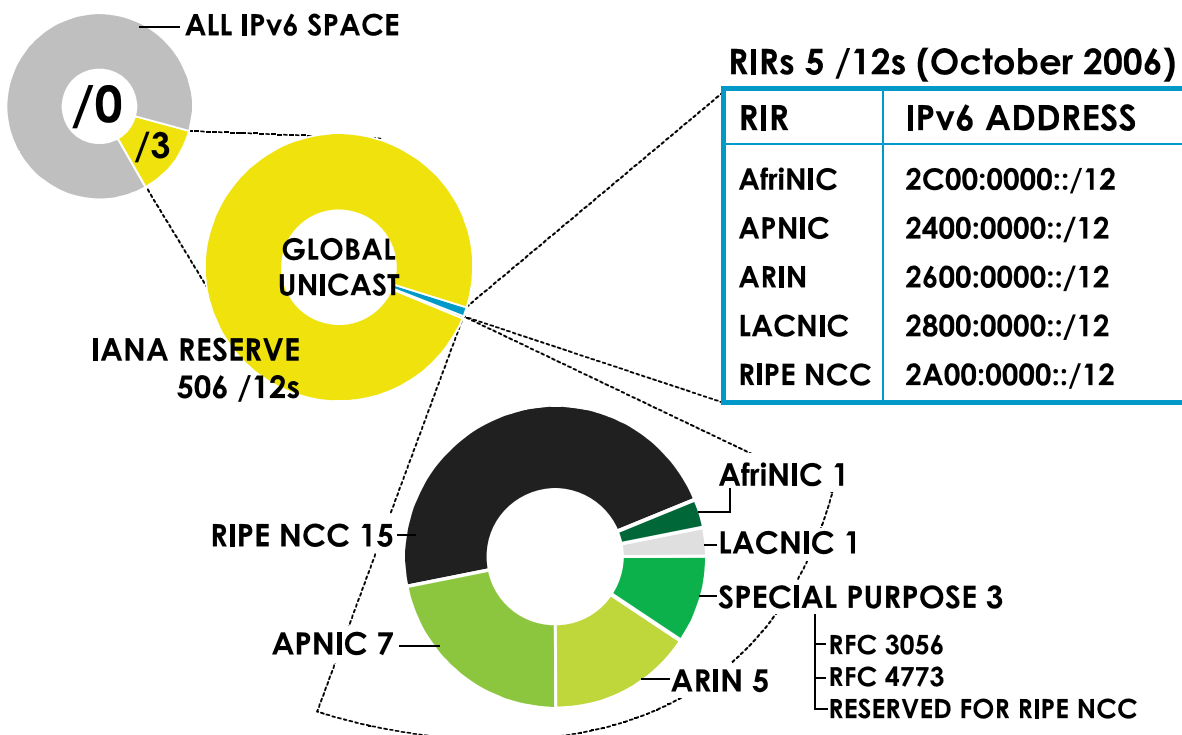


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 Number Resource Organization



IPv6 ADDRESS SPACE

How much has been allocated to the RIRs?



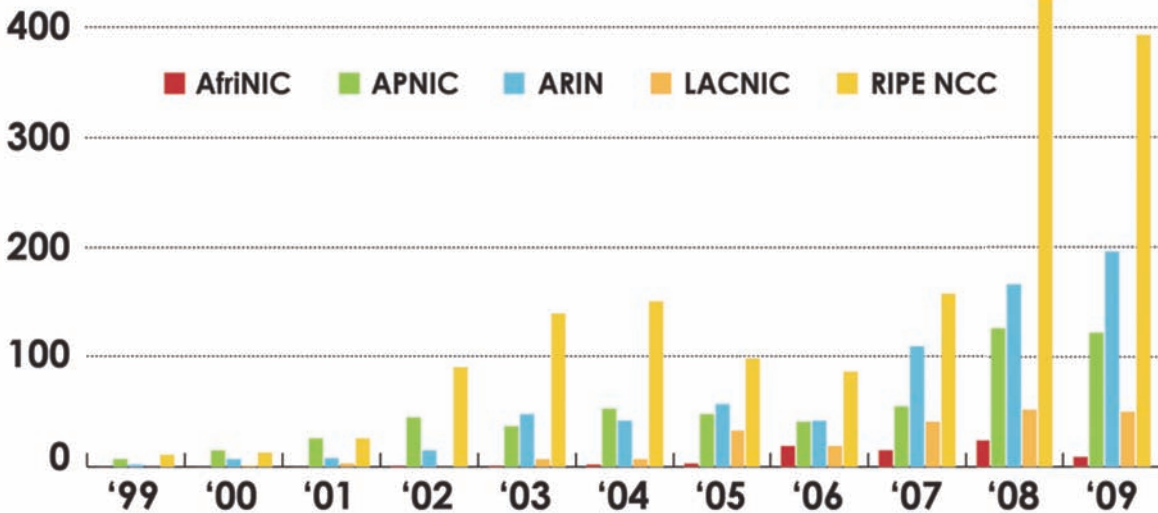
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 Number Resource Organization



IPv6 Allocations RIRs to LIRs/ISPs

How many allocations have been made by each RIR by year?

500 allocations



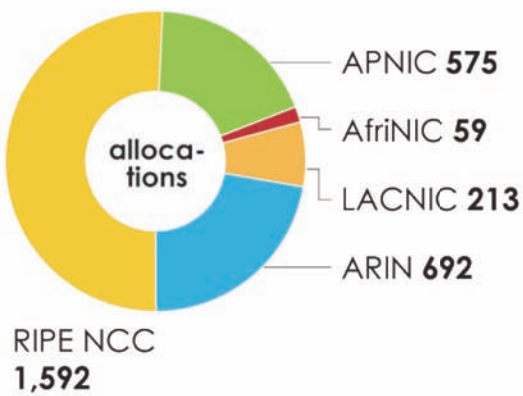
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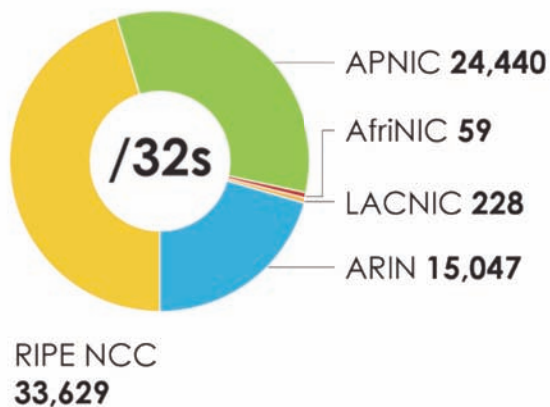
IPv6 ALLOCATIONS RIRs to LIRs/ISPs

(Jan 1999 – Sep 2009)

How many total allocations have been made by each RIR?



In terms of /32s, how much total space has each RIR allocated?



2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03-178-12-22-02 2001-610-240 193.0.0.203
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 2001-610-240-0-193.0.0.202 62-109-128 195-048-02-03-178-12-22-02 2001-610-240 193.0.0.203



LINKS TO RIR STATISTICS

- RIR Stats:
www.nro.net/statistics
- Raw Data/Historical RIR Allocations:
www.aso.icann.org/stats
www.iana.org/assignments/ipv4-address-space
www.iana.org/assignments/as-numbers
www.iana.org/assignments/ipv6-unicast-address-assignments

2001-610-240-0 193.0.0.202 62-109-128 195-048-02-03 478 4222-02 2001-610-240 193.0.0.203
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