

Work Plan: IANAWG timeline

1. Introduction

According to the charter adopted by the ccNSO in February 2008 (New Delhi), the ccNSO IANA Working Group develops a work plan at the beginning of each calendar year.

2. IANA challenges

IANA is facing many challenges, and must respond to a variety of new needs:

- Introduction of new gTLD
- Introduction of idn.idn
- Deployment of DNSSEC: publishing TLD DNSKEY, Signing the root zone
- IANA automation

Some of those challenges and associated projects are responding to ccTLD expectations or may have indirect impacts on the service provided by IANA to ccTLDs.

3. ccNSO IANA Working Group Framework

Whereas the IANA context, there are two main areas of activities for the Working Group to focus on: **IANA services to ccTLD** and **communication related to IANA services**. This results in the following framework to plan the activities;

I. IANA services to ccTLDs

ccNSO IANA Working Group can assist IANA to provide :

- **INTERFACE TO IANA REPOSITORY**
The actions to be performed in this area aimed to evaluate and test technologies and channels that are available for ccTLDs to maintain their data in the IANA repository.
- **IANA PROCEDURES**
The objective for the ccNSO IANAWG is to monitor IANA procedures, and to propose improvements if needed.

II. Communication related to IANA services

The ccNSO IANA working group is set up as a dedicated interface between IANA and ccs, it supports:

- **IANA COMMUNICATION TO AND ABOUT CCS**
The IANAWG to facilitate communications from IANA to ccTLDs, and to review and monitor ccTLD data published from the IANA repository
- **DISCUSSIONS WITH RELEVANT PARTIES ON ISSUES RELATED TO THE IANA FUNCTION**
The objective here is to support the dissemination of up-to-date information regarding IANA service to ccTLDs across the ccTLD and ICANN communities. Practically, liaisons with relevant parties must be set up.
- **PROVIDING INPUT ON MATTER OF RELEVANCE TO IANA AND CCTLD**
The group has also mandate to provide explicit feedback upon demand on specific matters.

4. Expected outcomes on track

The ccNSO IANA Working Group can review processes, monitor services provided to ccTLD and support projects in order to assist IANA to succeed.

Two clear outcomes are already expected from the ccNSO IANA WG :

- To provide input to the Council on **Root Zone signing**;
- To assist IANA with regard to **automation** of the IANA processes;

The IANA WG must also strengthen the debate about IANA performances, an outcome for 2009 would be:

- To document **IANA service levels** expected by the ccTLD community.

Note also that the ccNSO IANA Working Group may at any time be called to provide information and input to the ccNSO on matters of relevance to IANA and ccTLDs.

5. Schedule of Activities¹

I. IANA services to ccTLDs

INTERFACE TO IANA REPOSITORY

Activity	Description	Starting date	Targeted date	Comment
To test e-iana RZM software	This includes launching a testing approach, to enroll and help ccs to participate to the testing, to set up channels of communication with developers, to report about bugs....	1 st of February 2008	20 th of June 2008 Priority: HIGH	Accomplished : <ul style="list-style-type: none">– Launched a testing approach (IANAWG “rzm-testing” document);– Enrolled ccTLDs (10);– Set up a bug tracker;– Set up a mailing list;– Implemented IANA procedures to manage the testbed and facilitate coordination;– Launched tests for simple administrative requests;– Set up a cc platform to test IANA testbed; TBD: <ul style="list-style-type: none">– To launch tests requiring changes in the root zone;– To produce a final report on e-iana RZM;

¹ Note: “it has to be stressed that ccNSO IANAWG participation is based on volunteering and only involves voluntary work ...This means that, if milestones and indications can be foreseen about ccNSO IANAWG activities”. see: **introduction to IANAWG activities and timeline** document. The schedule indicates “Date targets” rather than “Deadlines” or “Commitments” over specific projects.

To review the current mail template based interface	NOT DISCUSSED	NOT LAUNCHED	Priority: LOW	
To review IANA security process and mechanisms manage ccTLD requests	NOT DISCUSSED	NOT LAUNCHED	Priority: LOW	
To review the TLD DNS technical checks	To technical checks performed by IANA over cc requests	15 th November 2005	ccNSO Response to IANA consultation: 25 th September 2006 Pending Work priority: LOW	Accomplished: – Reviewed of the checks performed by IANA within the IANA WG; – Input provided to the ccNSO on IANA consultation; – Supported the ccNSO to respond to the IANA consultation TBD: – To clarify who is performing technical checks, when and how; – To clarify consistency between tests performed by various parties; – To provide recommendation to IANA about technical checks;
To review ccTLD IANA Whois (data presentation and accuracy)	To monitor accuracy of the data that IANA publishes about ccs	31th March 2008	NO TARGETED DATE YET PRIORITY: MEDIUM	Accomplished: – The ccNSO secretariat provided a report on IANA DB mail accuracy;

IANA PROCEDURES

Activity	Description	Starting date	Tageted Date	Comment
To review the IANA Process Flows and to identify IANA operations that are time consuming	To review IANA internal process flow and support automation process where appropriate	December 2004	20 th of June 2008 Priority: HIGH	Accomplished: – e-iana initiative launched; – High level process flow published; – e-iana testbed setup Still TBD: – To review messages and report provided through eiana operation; – To review each step to fulfill requests; – To identify blocking factors for IANA performance

To monitor root zone generation and root zone accuracy	To review the root zone generation process and to review information published in the root zone about ccTLD, including name servers information	NOT LAUNCHED	NO TARGETED DATE PRIORITY: MEDIUM	
To review IANA emergency plan and emergency channels such as 24/7 phone number	To review the list of disasters that IANA is prepared to recover, and processes set up in case of emergency To monitor the emergency measures implemented.	NOT LAUNCHED	NO TARGETED DATE PRIORITY: MEDIUM	

II- Communication related to IANA services

IANA COMMUNICATION TO AND ABOUT CCS

Activity	Description	Starting date	Targeted Date	Comment
To review and support IANA reporting activity to ccTLD (schedule/format)	To review format and metrics used by IANA to report to ccs about IANA activity; To establish channels for IANA to report to ccs ;	December 2004	NO TARGETED DATE Priority: HIGH	Accomplished: – Monthly IANA WG meetings and audio conf with IANA ; – IANA WG slot organized over ccNSO meetings; TBD: – To review IANA statistics provided to ccs about IANA activity; – To review online IANA Dashboard; – To recommend to IANA statistics to be provided to ccTLDs;
To review and support the publication of a IANA resources repository for ccTLDs (documentation, tools, web site etc)	To review documentation provided to ccs about IANA service to ccTLDs; to review IANA web site; To recommend IANA resource;	December 2004	NO TARGETED DATE Priority: MEDIUM	Accomplished: – Provided comments on new IANA Web site (2006); – Reviewed a IANA Resources document for TLDs (2006); TBD: – To review documentation about IANA software; – To list and review documentation about IANA procedures; – To review/monitor IANA operational web site

To review IANA reports over/ending TLD update requests	To verify that ccs understand all the IANA steps to manage their requests	1 st of February 2008	NO TARGETED DATE Priority: HIGH	TBD: – enroll new ccTLDs to the e-iana testing; – review e-iana messages over request with e-iana tester; – launch a survey to evaluate cctld knowledge about IANA procedures;
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DISCUSSIONS WITH RELEVANT PARTIES ON ISSUES RELATED TO THE IANA FUNCTION

Activity	Description	Starting date	Targeted Date	Comment
To identify ccTLD expectations with regard to IANA	To report about IANA WG in relevant meetings, to establish and maintain the IANA WG work plan, to maintain regular IANA WG meetings (monthly basis) ;	December 2004	November 2008 Priority: HIGH	Accomplished: – IANA WG Charter established; – Enrolled cc in the IANA WG; TBD – To increase awareness about IANA WG and to enroll new ccTLDs to participate in ; – To establish the IANAWG Work Plan
To liaise with relevant stakeholder and bodies having interactions with IANA and that may impact on the service provided to ccTLD	To identify the stakeholders and communities that interact with IANA and may impact on the service provided by IANA to ccTLD; To liaise with those stakeholders; to increase knowledge of all relevant parties about IANA service to ccTLDs	1 st February 2008	June 2009 Priority: MEDIUM	Accomplished: – Liaised informally with various stakeholders to discuss about root zone management issues; TBD – To identify stakeholders that would be of interest for the IANA WG to liaise with for cooperation about IANA service provided to ccs; – To establish channels to exchange with those stakeholders;
To identify, with the relevant parties, the impact of new services or new technologies on IANA service to ccTLD;	To identify, with the relevant parties, the impact of new services or new technologies on IANA service to ccTLD;	NOT LAUNCHED	NO TARGETED DATE Priority: MEDIUM	

PROVIDING INPUT ON MATTER OF RELEVANCE TO IANA AND CCTLD

Activity	Description	Starting date	Targeted Date	Comment
<p>To provide input to the ccnso on the issue of signing the root zone</p>	<p>Facilitate discussion across ccTLD community about DNSSEC technology and signing the root issue. Identify matters that may impact IANA on the issue of signing the root and or deploying DNSSEC at the DNS root level</p>	<p>31st July 2007</p>	<p>20th of June 2008</p> <p>Priority: HIGH</p>	<p>Accomplished</p> <ul style="list-style-type: none"> – Enrolled ccTLDs to participate to draft a paper on DNSSEC; – Wrote the first part of a paper on DNSSEC; – Communicated the paper to the ccNSO <p>TBD</p> <ul style="list-style-type: none"> – To involve relevant parties in the process of providing input to the ccnso on the issue of signing the root; – to publish a checklist for TLDs that would like to deploy DNSSEC; – To write the second part of the IANA WG paper on the issue of signing the root; – To report to the ccNSO about the issue of signing the root ;