

**EXPRESSION OF INTENT**  
**FOR**  
**ESTABLISHING CENTRE OF**  
**EXCELLENCE IN DNS SECURITY**

**JOINTLY BY**

**CENTRE FOR DEVELOPMENT OF**  
**ADVANCED COMPUTING (C-DAC), INDIA**

**AND**

**INTERNET CORPORATION FOR ASSIGNED**  
**NAMES AND NUMBERS (ICANN), USA**

**October 17, 2013**  
**New Delhi**



## Preamble

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Centre for Development of Advanced Computing (C-DAC), India & Internet Corporation for Assigned Names and Numbers (ICANN), USA recognize the importance of the Internet for the building of inclusive knowledge societies, and the strengthening and promotion of cultural diversity and multilingualism in cyberspace.

Recognizing the importance of the Internet to the empowerment of citizens globally and the economic development and opportunities for citizens everywhere and therefore the need to address the following:

- Rapid growth of Internet Users and Websites
- Ever-growing types of attacks and increasing number of incidents
- Need for increasing awareness among the user community about DNS and other critical resources of Internet
- Scarcity of well-established test beds for research in Domain Name System
- Coordination and collaboration using a multi-stakeholder model
- Scope for innovation and research in the area of DNS Security

## Purpose of this Expression of Intent

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This Expression of Intent will serve for both Parties as a basis for the preparation of a complementary project document.

WHEREAS Centre for Development of Advanced Computing ("C-DAC"), a Scientific Society of the Department of Electronics and Information Technology (DeitY), Ministry of Communications and Information Technology, Government of India, having its Corporate office at Pune University Campus, Ganeshkhind, Pune 411007, Maharashtra, India.

WHEREAS C-DAC's mission is to expand the frontiers of Information and communication technologies; To evolve technology solutions - architectures, systems and standards for nationally important problems; To share experience and know-how to help build advanced competence in the field of information Technology; To bring benefits of Information Technology to society.

WHEREAS The Internet Corporation for Assigned Names and Numbers ("ICANN") a public benefit, not for profit corporation with its head office located at 12025 Waterfront Drive, Suite 330, Los Angeles, California, in the United States of America.



WHEREAS ICANN's mission is to coordinate, at the overall level, the global Internet's system of unique identifiers, and in particular to ensure the stable and secure operation of the Internet's unique identifiers.

WHEREAS ICANN's values are preserving and enhancing the operational stability, reliability, security and global interoperability of the Internet, and respecting the creativity, innovation and flow of information made possible by the Internet by limiting ICANN's activities within ICANN's mission requiring or significantly benefiting from global coordination.

WHEREAS ICANN is acting to follow its mission and core values as set forth in Article 1, Sections 1-2 of the ICANN Bylaws.

WHEREAS C-DAC and ICANN intend to strengthen their cooperation in the support for the multi-stakeholder participation and governance model of the Internet and to undertake a variety of activities in support of the security stability and resiliency of the Domain Name System and other critical resources of Internet.

## **Framework of Collaboration**

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THEREFORE C-DAC and ICANN intend to cooperate in the pursuit of the following common goals:

- Create a Centre of Excellence (CoE) in India for DNS security.
- Collaborate in the development of a research laboratory with test bed capabilities.
- Collaboration on research and development covering the areas of DNS and DNS security.

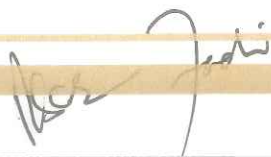
## **Proposed activities**

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Possible components of this collaboration might address (but are not limited to):

Cooperation of C-DAC with ICANN through the Centre of Excellence in DNS Security covering:

- Development of domain Expertise at the Centre of Excellence
- Setting up of a state-of-the-art test bed and evaluation procedure for trying out technology solutions



- Sharing common pool of knowledge generated in the lab
- Exchange of researchers under the programme
- Compliance with international standardization efforts
- Setting up of facilities for conducting active research in the areas of DNS and DNS Security.

towards the implementation of the working arrangements to be established by the parties within the framework of this EoI.

This is only expression of intents (EoI) of both parties and separate MoU containing scope of work, financial and legal terms will be entered for specific program.

IN WITNESS WHEREOF, the parties, each acting through its duly authorized representative, have executed this EoI in two (2) originals in the English language on the seventeenth day of October month and 2013 year.

for C-DAC

**Rajat Moona**

Director General

Centre for Development of Advanced Computing(C-DAC)

for ICANN

**Fadi Chehade**

President and CEO, ICANN

Internet Corporation for Assigned Names and Numbers

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Date and place of Signature:  
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