South Block, New Delhi
Dated : 07.03.2019

NOTIFICATION

SUBJECT : CREATION OF STANDARD DEVELOPMENT AUTHORITY (SDA)

It has decided with the approval of competent authority to constitute Standard Development Authority (SDA) under the Directorate of Standardisation.

2.   SDA will be responsible to develop/prepare/adopt standards for critical/emerging technologies/families of equipment etc, which have defence and strategic sector applicability and are critical for self reliance.

3.   Functioning of SDA.

   (a)   This body would function in a fashion similar to any other standardization body, except that the activities conducted are classified in nature and of national security interest.

   (b)   The members would meet on a regular basis on a pre-circulated and agreed agenda. After due discussion and deliberation of various topics and work-items presented by identified members, the body would take consensus of all members to arrive at decisions in collegiate manner. In case when members feel it necessary to seek more information or study/research further to address specific gaps, decisions would be taken up in subsequent meetings. The body should be empowered to co-opt subject matter experts for in-depth study and analyses.

   (c)   The tasks to be carried out in this body would require substantial effort from contributing organizations, including participation in meetings, preparation of background materials, research on specific technical/operational aspects/topics building consensus, etc. Therefore, active participation with dedicated effort is required from each contributing organization. The participation of contributing organizations through persons with appropriate background is essential for successful completion of tasks in this body.

4.   Initially the SDA will take up the following tasks being specific to development of indigenous SDR ecosystem :-

   (a)   Create, manage, own, maintain and be the custodian of air-interface (waveform) repositories for each of the 3 services and for joint operations, as described in the report of the committee including collection of air-interfaces from contributing organizations, identifying and over-seeing the development of new air-interfaces required, etc.

(b)   Identify Air-interfaces in the pool that could be standardized for use by SDRs in three Services & for joint operations and standardize them as per India specific terrain / channel models.

(c)   Create process for inter-operation of SDRs from different vendors implementing the standardized waveforms akin to the plug-fest in mobile communication domain.

(d)   Specify Roles and responsibilities for different organizations involved in the above body. Formulate a workflow along with qualification norms for wave forms delivery, testing, certification, etc., including list of deliverables, acceptance norms, documentations, test reports, simulation results, test reports, test coverage, etc.

(e)   Establish common tri-service procurement norms with respect to air-interfaces for the SDRs being procured, including evolving a template for specifying waveforms from the repository in the RFI/RFP, which are to be supported by the SDR sets being procured.

(f)   Specify various approaches to be adapted to build the waveform repository, including addition of legacy waveforms.

(g)   Specify processes to enable new SDRs and older SDRs to support and operate using these waveforms.

(h)   Specify a return-on-investment mechanism for organizations contributing waveforms to the waveform repository.

(j)   Specify and standardize security module interface in the context of each waveform, with inputs from SAG.

(k)   Specify and standardize security module interface for SW and Hardware crypto modules.

(l)   Specify methods to certify standardized waveforms and SCA. The methods to certify security module and interfaces with inputs from SAG.

High Level Advisory Committee (HLAC)

5.   SDA would be led by a HLAC with appropriate representatives from three services, DRDO, Academia, DPSUs, Industry and subject experts. The HLAC will be constituted by DDP from time to time. The HLAC of SDA will meet as often as necessary and will provide necessary guidance with respect to various functions of the SDA. The expenditure for the meetings of HLAC of SDA will be met from the funds available with Directorate of Standardisation/DDP. The HLAC will be provided secretarial services by Directorate of Standardisation.

6.   The members of the HLAC could be nominated as ex officio member or in capacity as subject specialist by DDP to the SDA and a Core group/Secretarial group will be identified by DoS for coordinating the activities of SDA.   The increment to PE of DoS for said functions/tasks, on rotation from Army, Navy/AirForce/DGQA is as follows:-

(a)	Colonel/ Captain (IN)/ Gp Captain	-	Member Secretary
(b)	2 X Lt Col/Commander/Wg Cdr/SSO-I	-	Technical Secretary/ Certification Secretary
(c)	2 X JCO/Equivalent Rank Officer from Army/Navy/Airforce/DGQA/CAO	-	Support staff - SDA
(d)	4 X Hav Clerk/ Equivalent Rank personnel from Army/Navy/Airforce/DGQA/CAO	-	Clerical staff - SDA

7.   It is envisaged that in future this authority may be called upon to take up other topics of national/tri services importance for development of standards, viz Indigenous Secure Routers, Indigenous SoC etc on which various committees are working in which case additional verticals will be constituted and command and control structure can be appropriately upgraded.

Structure of SDA

8.   The composition of SDA will be following :-

(a)	Director of an IIT (Dr. Abhay Karandikar, Director IIT Kanpur)	-	Chairman
(b)	Representative of Army HQ	-	Member
(c)	Representative of Naval HQ	-	Member
(d)	Representative of Air HQ	-	Member
(e)	Representative of DRDO	-	Member
(f)	Representative of IESA/SIDM	-	Member
(g)	Representative DPSUs/BEL/HAL/ECIL	-	Member
(h)	Nominated Domain specialists		
(j)	Representative of Dte of Standardisation	-	Member Secretary

Funding

9.   This authority will be funded through the funds available with Directorate of Standardisation/DDP to conduct meetings, workshops, research etc.

10.   The admissibility of TA/ DA in respect of members representing Central or State Government Ministries/ Departments for attending the meetings of the sub-committee shall be governed by the respective service rules applicable in their case and borne by the concerned Ministry / Department to which they belong.

11.   The admissibility of TA/ DA in respect of non-government members of the sub-committee shall be governed by the provisions of SR 190 (a), as per the entitlement of Grade I officers of the Government.

(Pankaj Sharma)
Under Secretary (DDP/Coord)

The chairman and all members of SDA

Copy to:-
JS P& C , Dte of Standardisation