

I/98619/2024

Tele No: 39526

B/05353/EAC/Auto/IT/Info Sys

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IHQ OF MOD (ARMY): DTE GEN OF INFO SYS**MINUTES OF NINTH EMPOWERED AUTOMATION COMMITTEE (EAC) MTG
HELD AT AG's CONF HALL ON 07 FEB 24**

1. Ref DCOAS (IS&C) Sectt Note No 57926/ICT/DCOAS (IS&C) Sectt/IS dt 07 Sep 21.
2. The Ninth EAC mtg was held on 07 Feb 24 at AG's Conf Hall. The mtg was chaired by Lt Gen MV Suchindra Kumar, PVSM, AVSM, YSM**, VSM, VCOAS. The fwg were present during the mtg: –

(a) **Members.**

- (i) Lt Gen Tarun Kumar Aich, PVSM, AVSM, DCOAS (Strat).
- (ii) Lt Gen JB Chaudhari, PVSM, SM, VSM, DCOAS (CD&S).
- (iii) Lt Gen Rakesh Kapoor, AVSM, VSM, DCOAS (IS&C).

(b) **Permt Invitees.**

- (i) Lt Gen Kanwar Vinod Kumar, AVSM, SO-in-C.
- (ii) Maj Gen Rohit Sawhney, YSM, ADG MO (IW).

(c) **Member Secy.** Lt Gen Rajiv Kumar Sahni, VSM, PhD, DG IS.(d) **Other Invitees.**

- (i) Maj Gen Devinder Kumar, AVSM, SM, ADG Mech Inf.
- (ii) Maj Gen Gambhir Singh, AVSM, YSM, ADG Strat Comn, DGIW.
- (iii) Brig Ravinder Singh, Brig Concepts, DGIS.
- (iv) Brig Amit Suneja, Brig ICT, DCOAS (IS&C) Sectt.
- (v) Brig Atul Jaiswal, Brig IT, DGIS.
- (vi) Brig Rahul Ohri, SM, Brig Budget, VCOAS Sectt.
- (vii) Brig Samir Kaushal, MA to DCOAS (Strat).
- (viii) Brig Ajay Kumar Das, Brig OIS, DGIS.
- (ix) Col Santosh Prasad, Col (Ops & Plg), DGIS.
- (x) Col SP Singh, Col (Ops & Plg) Designate, DGIS.
- (xi) Col Nachiket Kodilkar, Col Budget, VCOAS Sectt.
- (xii) Col Piyush Ranjan Trivedi, Col Social Media, ADG Strat Comn.
- (xiii) Col Sukhwinder Singh, Dy Cdr, ACE Mhow.
- (xiv) Col Hiren Borah, Col GS (Sys), HQ CC.
- (xv) Col Mandeep Singh, Col GS (Int), HQ CC.

} Through VC

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3. The agenda pts discussed and decisions taken are as follows:-

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(a)	<p><u>IPA for EM Mgt of Battle Space (EMBS) Sml Sw</u></p> <p>(i) <u>Backgrnd.</u> Seamless and uninterrupted avbl of scarce Electromagnetic Spectrum (EMS) in the battlefd warrants regular oversight and strict mgt of spectrum usage. A maj part of the spectrum mgt process is cmpr based sml which will provide a detl Electromagnetic Op Envt (EMOE) picture and help in iden of Electromagnetic conflict spots and congestion Zs bringing out the imp aspects of Electromagnetic congestion Zs in a given geo battle-space. Apropos, a need was felt for Electromagnetic Mgt of Battle Space (EMBS) Sml Sw.</p> <p>(ii) This proj is a successor to proj Sml of Electromagnetic Battle Space which has been divided in two parts, ie Strat part, namely Def Spectrum and Allocation Mgt Sys (DSAMS) to be taken by Jt Comn Electronics Staff (JCES), and the tac part, namely Electromagnetic Mgt of Battle Space (EMBS) to be undertaken by ACE, Mhow and DRDO. During the Jt Electromagnetic Bd (JEMB) meet held in Nov 2022, it was decided that now DRDO will no longer be the developing agency and the proj now be done through open tendering by ACE, Mhow.</p> <p>(iii) <u>Purpose.</u> Provide a detl Electromagnetic Op Envt (EMOE) picture. Iden EM conflict spots & congestion Zs in a given geographic battle-space.</p> <p>(iv) <u>Type of Sw.</u> COTS (GeM).</p> <p>(v) <u>Cost.</u> ₹ 21 Cr.</p> <p>(vi) <u>Dply Scenario.</u> ADN/ DCN.</p> <p>(vii) The bfg towards the felt need and proposal in brief was carried out during Eighth EAC mtg held on</p>	<p>(i) DGIS apprised the Committee that EMBS Sw will provide a detl EMOE picture to enable Cdrs & staff in analysing EM congestion Zs & conflict spots thereby providing re-dply options.</p> <p>(ii) SO-in-C recom the input from the Sw to be emp as a feed pt for ingesting data in Auto Spectrum Mgt Sys (ASMS), to assist in spectrum mgt as per Theatre Cdrs op plan.</p> <p>(iii) Considering the cost of licences, SO-in-C recom ltd purchase of licenses initially for few selected users.</p> <p>(iv) DCOAS (IS&C) recom that after initial purchase of licenses, the efficacy of the Sw appl be analysed by all stakeholders. The feedback/ suggestions from the users be obtained & incorporated in further proc of licenses.</p> <p><u>Decision of EAC</u></p> <p>(v) EAC granted IPA for 'EM Mgt of Battle Space (EMBS) Sml Sw' with calibrated impl plan, starting with purchase of ltd No of licenses.</p>	ACE, Mhow

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	01 Dec 23. (viii) The proposal was brought up for IPA during 18th OAC mtg held on 12 Jan 24 and the same has been endorsed for apvl of the EAC.		
(b)	<p><u>IPA for Comprehensive Telemetry Data Analytics (CTD) and Visualisation Platform</u></p> <p>(i) Proposal. Adv Nw Analysis to ascertain credentials of indl forming part of any social/ suspicious Nw without laborious manual linkages, saving users valuable time and decr the risk associated with missed connections. Addl detls wrt Sw appl are as under :-</p> <p>(aa) Sw incl access, directly as well as through third-party data provider, to several maj and regional social Nw services, millions of websites, billions of social media posts and blogs, hundreds of millions of geographical data pts, and vast amt of deep and dark web content.</p> <p>(ab) Addl features of acqn, search, enrichment and analytics of digital mtrl incl text based and geo-referenced content, in various formats and languages and increasingly powered by AI/ ML.</p> <p>(ac) Web-based appl, accessible over the internet from dedicated workstn consoles with logins.</p> <p>(ii) Type of Sw. Customised.</p> <p>(iii) Cost. ₹ 7.49 Cr (approx).</p> <p>(iv) Dply Scenario. Internet.</p> <p>(v) The proposal was discussed during 18th OAC mtg held on</p>	<p>(i) DG IS briefed the Committee that the Sw appl will be emp in obtaining Commercially Avbl Info (CAI) & Publicly Avbl Info (PAI) for carrying out 'Adv Nw Analysis'.</p> <p>(ii) ADG MO (IW) highlighted that a similar Sw appl 'RUDRA' has been devp & demo by Cyber Info Research Agency (CIRA) with features like white spectrum analysis, geo fencing, live feeds, etc & recom that the same may be analysed for its further utilisation by HQs Comd.</p> <p>(iii) VCOAS directed that DGMO (IW) to assist in org a demo on 'RUDRA' Sw for HQ CC & HQ NC.</p> <p><u>Decision of EAC</u></p> <p>(iv) EAC directed that the agenda be presented again in the next EAC mtg, incorporating suggestions/ comments of sponsor post demo of 'RUDRA' Sw.</p>	<p>HQ CC, GS (Int)</p> <p>DGMO (IW)</p>

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	12 Jan 24 and was recom for consideration of EAC.		
(c)	<p><u>Rootkit Protection Soln</u></p> <p>(i) <u>Backgrnd.</u> IN has proposed proc of 4,500 licenses to secure internet facing machines which incl PCs on BOSS OS at an approx cost of ₹ 12.7 Cr. The proposed soln was eval by DCyA in consultation with all three services HQs, SAG (DRDO) & WESEE. BOSS OS alongwith security solns (ISOC) has been devp by CDAC, Chennai for provn of central services & maint sp to all three services.</p> <p>(ii) <u>Proposal.</u> It is proposed that deliberation towards 'Rootkit Protection Soln' be considered for all internet facing machines of IA on BOSS.</p> <p>(iii) <u>Dply Scenario.</u> Internet.</p>	<p>(i) DG IS highlighted the imp of Cyber Security in internet facing machines pan IA & safeguarding digital ecosys & Nw from unauth access & attacks. He further suggested that the proposed soln be steered through CDAC, Chennai, being the devp agency of BOSS.</p> <p>(ii) ADG MO (IW) highlighted that an upgraded ver of BOSS is under devp at CDAC, Chennai & is likely to be rolled out by the end of Feb 2024.</p> <p>(iii) SO-in-C recom that a detl analysis of the upgraded ver of BOSS to be conducted & Sw appl to be analysed for availability of any 'Rootkit Protection Soln' for internet facing machines.</p> <p>(iv) DCOAS (IS&C) recom that a Jt Team from DGMO, DG Sigs & DGIS to be sent to CDAC, Chennai for tech analysis of the upgraded ver of BOSS & avbl of 'Rootkit Protection Soln' in the Sw.</p> <p>(v) VCOAS directed that all internet facing machines need to be secured from cyber threats & emphasised that cyber security is of paramount imp for future 'Tech Enabled IA'.</p> <p><u>Decision of EAC</u></p> <p>(vi) EAC directed that feasibility of devp 'Rootkit Protection Soln' in BOSS to</p>	<p>DG Sigs/</p> <p>DGMO</p> <p>DGIS</p>

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		be explored by DG Sigs & the same to be incl in contract with CDAC, Chennai.	
Info Pts			
(d)	<p><u>Integrated Soln for Social Media Analytics</u></p> <p>(i) Purpose. To monitor & analyse social media platforms such as Twitter, Facebook, Instagram, etc.</p> <p>(ii) Type of Sw. Customised.</p> <p>(iii) Cost. ₹ 21.65 Cr (approx).</p> <p>(iv) Dply Scenario. Internet on NIC Cloud.</p> <p>(v) The proposal was granted IPA during Eighth EAC mtg held on 01 Dec 23. EAC directed sponsor to mov the case on file to obtain inputs of DCOAS (CD&S), DGMO & detls wrt cost of the proj.</p> <p>(vi) The inputs obtained from stakeholders are proposed for dscn and consideration of the EAC.</p>	<p>(i) ADG Strat Comn briefed the Committee on comparative analysis carried out by BOO ex DGIS & highlighted the addl features of 'Integrated Soln for Social Media Analytics' Sw appl vis-a-vis 'Anveshan' Sw by DCyA.</p> <p>(ii) ADG Strat Comn highlighted that a similar Sw consisting of various tools has been devp by MHA whose cost could not be ascertained. However, the proposed Sw appl by ADG Strat Comn is avbl on GeM & the expdr on the purchase of the Sw appl can be quantified through GeM proc.</p> <p>(iii) DCOAS (Strat) recom that feasibility to utilise 'RUDRA' Sw may be explored by ADG Strat Comn.</p> <p><u>Decision of EAC</u></p> <p>(iv) EAC directed that the proposed Sw appl to be emp centrally & made avlb to all HQs Comd for expl. Necessary assistance to be provided by the sponsor for tech expertise, emp & usage of the Sw appl and utilisation of RUDRA Sw be explored.</p>	ADG Strat Comn
(e)	<p><u>Upt on Info Sys Projs.</u> Upt on various Op Info Sys (OIS) & Mgt Info Sys (MIS) appls, alongwith way ahead, shall be presented to the EAC.</p>	<p>(i) DG IS briefed the Committee on various ongoing OIS & MIS appls.</p> <p><u>Decision of EAC</u></p> <p>(ii) Anumaan. VCOAS</p>	<p>AG's Br</p> <p>DGSD</p> <p>DGIS</p> <p>DG Sigs</p>

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		<p>directed that Anumaan & Mausam Online Sw appl of IAF to be integ for seamless data sharing betn appls.</p> <p>(iii) eHRMS. VCOAS highlighted that as per dirns of the COAS, info processes & wk flow need to be auto to augment redn in manpower & improve efficiency. VCOAS further directed that eCR module in the appl to be expl, to replace the existing OMR ACRs. The module will auto the info wk flow & augment in quantification of redn of clerical staff/ PAs emp in Regt Centers, Trg Centers & Record Offices.</p> <p>(iv) DISHA. VCOAS highlighted that as per dirns of the CDS, DISHA to be scaled up as Tri-Services Sw appl. VCOAS directed that Dhanwantri 3.0 and equivalent appls can continue to be functional in med services of IA, IAF & IN for corres/ 'Reports & Returns' pertaining to med domains. However, DISHA Sw appl being on 'Jt Comn Architecture' may be emp by 'Gen Staff' at Tri-Services level for eff analysis & decision making.</p> <p>(v) ACMS. EAC recom that to further auto the Army Cdrs Conf & ensure paperless fn, all refs, booklets, journals & mil papers related to Agenda pts being discussed to be incl in the Sw appl.</p> <p>(vi) MISO 4.0.</p> <p>(aa) DCOAS(IS&C) highlighted that as per dirns of the CDS,</p>	

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		<p>SUS Nos to 50 IAF & 78 IN units have been allotted, for pub Part II orders of IA pers.</p> <p>(ab) VCOAS directed that MISO 4.0 Sw appl to be expl for all corres/ 'Reports & Returns' and prac of sending 'Paper Reports' to be discontinued to prevent duplication of efforts.</p> <p>(ac) VCOAS further directed that all Fmns/ Units to be sensitized wrt data updation and a periodic feedback from the Fmns/ Units to be obtained. DG Sigs to assist Fmns/ Units for avbl of ADN connections to augment the data entry through Sw appl.</p>	

4. These minutes have the approval of VCOAS.

(Ravinder Singh)
Brig
Brig (Concepts)
for DG IS (Member Secy)

VCOAS Sectt

DCOAS (Strat) Sectt

DCOAS (IS&C) Sectt

DCOAS (CD&S) Sectt

DG MO (Coord)

DG IW (Coord)

DG Sigs (Coord)

ADG Strat Comn

ADG Mech Inf

AG's Br

DGSD (SD-1)

ACG

HQ CC, GS (Int)

ACE, Mhow

Internal :-

Brig IT

Brig OIS

Brig MISO

ASDC