

IHQ OF MOD (ARMY): DTE GEN OF INFO SYS**MINUTES OF 44TH STEERING AUTOMATION COMMITTEE (SAC)**
MTG HELD AT DGIS ON 08 DEC 23

1. The 44th SAC mtg was held on 08 Dec 23 at DGIS Conf Hall. The mtg was chaired by Maj Gen AK Jha, ADG IS. Fwg were present during the mtg:-

(a) **Members.**

- (i) Brig Ravinder Singh, Brig Concepts, DGIS (Member Secy).
- (ii) Brig Veeresh Thapar, Brig (IW), DGIW.

(b) **Invitees/ Other Attendees.**

- (i) Col Ayan Paul, CO, 13 Engr Regt.
 - (ii) Col S Arora, Col GS (Sys), HQ NC.
 - (iii) Col DK Jha, DS, CDM, Secunderabad.
 - (iv) Col S Roy, CO, 5 FOD.
 - (v) Col Anupam Dixit, CO, 15 CESR.
 - (vi) Col Nitin Kumar, CO, NCCSR.
 - (vii) Col Harpreet Singh, AWC, Mhow.
 - (viii) Lt Col Saurabh Singh, ACE, Mhow.
 - (ix) Capt Shubham, 14 COSR.
 - (x) Col Santosh Prasad, Col (Ops & Plg), DGIS.
 - (xi) Col Karan Dhawan, Col Sigs-7, DG Sigs.
 - (xii) Col Suresh Kumar, Col IT, DGIS.
 - (xiii) Lt Col GS Patiyal, GSO-1, ACG.
 - (xiv) Lt Col Nitish Kumar, GSO-1, DS (IT&S), DGDS.
 - (xv) Lt Col SS Sambyal, GSO-1, DGDS.
 - (xvi) Lt Col K Amritha Raj, SM, GSO-1(Rail & Air), DG OL&SM.
 - (xvii) Maj RS Shandilya, OIC Army Portal & Web Service, AHCC, DG Sigs.
 - (xviii) Maj S Joshi, Sys Mgr, ACG.
- Through VC

2. The Chairman welcomed all members and attendees to the mtg. The agenda pts discussed and decisions taken are as follows:-

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S No	Agenda Pt	Discussion/ Decision	Resp
(a)	<p><u>SAMPORNA (Sw for Analysis and Mgt of Pradimune Op Wks Data)</u></p> <p>(i) <u>Purpose.</u> Sw aims at Op Wks mgt of all Comds of IA. It will aid all fmns cdrs to monitor prog of infra devp and plg of the same. This will help higher auth in plg of op tasks for any unit/ fmns in the AOR not familiar with and retrieve loc of all op wks assets after it is hosted on ADN.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> Nil (In-house devp).</p> <p>(iv) <u>Dply Scenario.</u> ADN.</p>	<p>(i) Committee directed the sponsor to devp Sw appl in an agile manner following the norms of DevSecOps and the appl be scaled up for impl at Comd level. Post impl and expl of the Sw appl in NC, it may be proliferated to other HQs Comd for hosting in their respective RDCs.</p> <p>(ii) Committee directed the sponsor to submit the prototype of appl to DGIS for concurrent vetting by ACG and AHCC.</p> <p>(iii) Committee granted IPA for devp of Sw and directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.</p>	<p>13 Engr Regt</p> <p>HQ NC, GS (Sys)</p>
(b)	<p><u>ADVAIT (Analysis of Database for Vulnerability Assessment of IED & Incident Tracking)</u></p> <p>(i) <u>Purpose.</u> IED incident tracking and assessment will enable access to all fmns and shall assist in data based decision making at all levels incl cvy/ ROP routes based on prediction of possible/ imminent IED threats and its mitigation. The authentication of data has been inbuilt into the Sw. This will provide complete picture of risks and sources and iden gaps in preparedness of SFs. Sw will also assist in issue of advisories to formulate CIED drills as per the analysed pattern or modus operandi of ANE.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> Nil (In-house devp).</p> <p>(iv) <u>Dply Scenario.</u> ADN.</p>	<p>(i) The committee was briefed that analysis of IED incidents incl recovered IEDs is carried out and the results are available in a later time frame.</p> <p>(ii) Committee noted the importance of this info to Fd Cdrs and apprised the sponsor that e-Sitrep appl has been impl in HQ NC. Active situational reporting is now being done from Units/ Fmns to MO Dte on e-Sitrep appl. Output of ADVAIT being a follow up of a reported incident will be best absorbed/ subsumed in e-Sitrep in order to provide single window sp for decision making. MO Dte is requested to consider and pass instrs on best visualisation method to meet Op needs.</p> <p>(iii) SAC directed the Proj Offr to interact with the Sw devp team of e-Sitrep at DGIS, to incorporate the Sw appl in e-Sitrep appl.</p>	<p>DGMO</p> <p>HQ NC GS (Ops)</p> <p>HQ NC, GS (Sys)</p> <p>13 Engr Regt</p>

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(c)	<p><u>Data Driven Decision Making Sw Appl</u></p> <p>(i) <u>Purpose.</u> A data driven decision making Sw appl has been devp by CDM, Secunderabad. The same shall be presented during the mtg.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> Nil (In-house devp by CDM).</p> <p>(iv) <u>Dply Scenario.</u> LAN/ ADN (to be ascertained during SAC mtg).</p>	<p>(i) Committee highlighted that any Sw appl devp on MS Excel is not permitted to be hosted on ADN, as per the cyber security guidelines of MO Dte.</p> <p>(ii) The devp platform and business logic of the Sw appl needs to be reconsidered so that the Sw appl can be hosted on ADN.</p> <p>(iii) Committee directed the sponsor to org the demo of Sw appl at DGIS for better understanding and assimilation by all stakeholders.</p>	<p>CDM</p> <p>DGSP (ORSA)</p> <p>DDG IT</p>
(d)	<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 Env't (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 indn of a Electromagnetic battle-space sml Sw termed as Electromagnetic Mgt of Battle Space Sml Sw.</p> <p>(ii) This proj is a successor to proj Simulation 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</p>	<p>(i) Committee directed the sponsor that as per 'SoP on Whitelisting of Appls Sw in IA' BOO needs to be fwd for COTS Sw. Sponsor was advised to apch DDG IT to process the case on file and for prep of necessary docu to incl the proposal in ITPPP.</p> <p>(ii) Committee recom the proposal for consideration of OAC.</p>	<p>ACE, Mhow</p>

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	<p>agency and the proj now can be done through open tendering by ACE, Mhow.</p> <p>(iii) Purpose. Provide a detl Electromagnetic Op Env't (EMOE) picture. Iden EM conflict spots & congestion Zs in a given geographic battle-space.</p> <p>(iv) Type of Sw. COTS.</p> <p>(v) Cost. ₹ 21 Cr.</p> <p>(vi) Dply Scenario. NFS/ DCN over dedicated VPN pipeline.</p> <p>(vii) The proposal was discussed during 17th OAC mtg on 17 Nov 23 and committee dir that the agenda to be processed through SAC mtg for grant of IPA.</p>		
(e)	<p><u>Dist Edn Sw for Army War College (Scalable for all Trg Ests of IA) for conduct of 'Professional Mil Edn' (PME) in the Online Mode</u></p> <p>(i) Purpose. To devp a 'Dist Edn Sw' for AWC (scalable for all trg ests of IA) so as to facilitate conduct of 'Professional Mil Edn' (PME) in the online mode for all offrs of the IA. Sw to be initially devp for the AWC, Mhow. However, the architecture is proposed to be scalable for use by all trg ests of the IA. Three types of courses are proposed to be hosted on the platform to incl 'Pre-Course Capsules', 'Courses related to appts being tenanted by Offrs' & 'Miscellaneous Self-Improvement Courses'. It will help to equip the Offrs of IA to continuously enhance their professional skills.</p> <p>(ii) Type of Sw. Customized.</p> <p>(iii) Cost. Nil (being devp by BISAG-N & coord by ASDC).</p> <p>(iv) Dply Scenario. ADN.</p>	<p>(i) Committee directed ASDC to assist sponsor in devp of Sw appl in consultation with BISAG-N.</p> <p>(ii) The committee highlighted that Admin rights and decision of No of users should be vested with ARTRAC, so that users can upload learning / study mtrl at their end, for max expl of Sw appl.</p> <p>(iii) Committee granted IPA for devp of Sw appl and directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.</p>	<p>Army War College</p> <p>ASDC</p>

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(f)	<p><u>Devp of Appl for 'Cvy and Rd Space Mgt'</u></p> <p>(i) <u>Purpose.</u> The appl devp will facilitate easy mgt of cvy, assist in finding current loc of cvy vehs, qty of stores and their mov, and will also automate the time consuming manual process of cvy mgt. The appl will benefit HQ 14 Corps (Q), Leh Sub Area and N Area (Chandigarh). The appl can also be utilised in other fmns of NC and EC where mov through cvy takes place on a routine basis.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> Nil (in-house devp).</p> <p>(iv) <u>Dply Scenario.</u> ADN.</p>	<p>(i) Committee highlighted that IPA for 'Computerised Tst Camp Mgt Sys' (CTCM) sponsored by MGOL, HQ NC was granted IPA in 40th SAC Mtg held on 05 Sep 23.</p> <p>(ii) Committee directed that 'Cvy & Rd Space Mgt' & CTCM to be merged into a single appl and a scaled up ver of appl be devp for optimal utilisation at Comd level.</p>	<p>14 COSR, HQ NC</p> <p>HQ NC GS (Sys),</p> <p>MGOL Sectt, HQ NC</p>
(g)	<p><u>ACSFP Module</u></p> <p>(i) <u>Purpose.</u> The sys will enable auto tracking of each proj at each stg of proc as per timelines of DPM 2009 and guidelines of ACSFP Cell, HQ NC. It will automate proj monitoring and will fetch consolidated detls of cash outgo, distr of stores and present status of each proj in a single dashboard.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> Nil (in-house devp).</p> <p>(iv) <u>Dply Scenario.</u> ADN.</p>	<p>(i) Chairman directed the sponsor to devp the Sw appl as a single window ACSFP soln, to incl modules for Proj Mgt, Inv Mgt and Life Cycle Mgt. The user rights to be scaled down till Corps level and the appl be further proliferated to other HQs Comd.</p> <p>(ii) Committee directed the sponsor to study ProMo Sw devp by DGIS for proc monitoring of Capital Projs at DGCD and S2P2 Sw devp by HQ SC for managing ACSFP detls. Case be fielded again in 46th SAC after studying above.</p>	<p>NCCSR, 15 CESR</p>
(h)	<p><u>Whitelisting of various Sw used in Dental Units.</u></p> <p>(i) Dental Dte intends to automate the workflow of their clinics wherein they intend to dply specific task based Hw embedded with spl Sw on local LAN. Detls of Sw/ eqpts are as under :-</p>	<p>Committee approved the 'Whitelisting of Sw' used in Dental Units over segregated LAN.</p>	<p>DGDS</p>

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	S No	Name of the Eqpt	Utility		
	(aa)	Radiovisiography (RVG)	For intra-oral Radiography		
	(ab)	Orthopantomogram (OPG)	For 2D intraoral and extra oral Radiography		
	(ac)	Cone beam CT	For 3D Radiological eval of Jaws		
	(ad)	Cmptr aided designing and milling machine CAD-CAM	For designing and fabrication of prosthesis		
	(ae)	Digital Dental Impression eqpt/ intra Oral scanner	For Digital intra-oral scanning for fabrication of Dental Prosthesis		
	(af)	Diag Orthodontic Sw	For diag and treatment plg in orthodontics		
	(ag)	Intra Oral Camera	For recording of intra oral pic to incr pt edn and awareness		
	(ah)	Occlusal Analyzer	For correction of Occlusal interferences		
	(aj)	Digital Periodontal Probes	For diag and prognosis of periodontal problems of the patient		
	<p>(ii) The sponsor intends to proc these Sw through GeM as per laid down proc procedures in accordance to DPM-2009 & GFR-2017 and use it on internal pvt LAN, thus mitigating the possibility of security breach. It is intimated that source code of these COTS Sw is not avlb and majority of them are not devp/ made in India. Thus, whitelisting of same is not feasible for purpose of hosting on ADN.</p> <p>(iii) Apropos, it is recom that the eqpts/ Sw mentioned at para 4 of the</p>				

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	<p>SoC may be whitelisted contingent to fwg conditions being met :-</p> <p>(aa) Eqpts/ Sw are proc only through GeM.</p> <p>(ab) The same are dply only on pvt LAN.</p>		
(j)	<p><u>IPA for AMA Dashboard.</u></p> <p>(i) <u>Purpose.</u> Eff lgs sp to the fwd dply tps is key to winning future wars. On outbreak of war, drawl is a procedure to push all reqmt to tps to their FDL on time. To facilitate numerous mov during drawl and fulfil the reqmt of tps, live monitoring of mov of veh, stores, eqpt and all necessary items is quintessential. Power BI dashboard for AMA drawl has been designed to mitigate such reqmts in live feed.</p> <p>(ii) <u>Type of Sw.</u> Bespoke.</p> <p>(iii) <u>Cost.</u> In-house design using Power BI Tool.</p> <p>(iv) <u>Dply Scenario.</u> ADN.</p>	<p>(i) Committee appreciated the effort to fill a felt need but highlighted that Sw appl being on excel platform is not allowed to be hosted on ADN as per cyber security guidelines.</p> <p>(ii) Committee directed the sponsor to devp/ modify the devp stack of Sw appl to enable handling of confidential data on ADN as per cyber security guidelines. ASDC to assist sponsor for devp of Sw appl.</p>	5 FOD
(k)	<p><u>Whitelisting of Sena Maps (GIS) Appl.</u></p> <p>(v) <u>Backgrnd.</u> DG Sigs is resp of provisioning comn Nw in pan IA. It has a huge Nw of OFC, JFC microwave & satl comn across the country. With NFS already under impl the size of the Nw has incr manifold. Mapping and monitoring of such a large Nw is a tedious task. There is an emergent reqmt to automate the process of mapping the comn Nw on a GIS enabled platform for better monitoring and maint of the Nws. Sena Maps is a web-based full-fledged GIS service that covers the map of entire India and 200km across IB/LC/LAC with up to 20 mtr resolution. The service provisions DSM Maps, satl maps, trn maps and more than 40 feature layers incl rds, brs, rlys, bdys etc, seamless 3D map integration to carryout trn analysis and visualization, full-fledged map marking tools to mark the</p>	<p>(i) Committee highlighted the Sw appl being on GIS platform should be OGC compliant. All appl using GIS are reqd to migrate to IGIST, as and when fielded in IA. The same may be ensured.</p> <p>(ii) Committee granted IPA for devp of Sw appl and directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.</p>	DG Sigs (Sigs-7)

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	<p>map with auth mil symbols etc. It is a unique web appl-cum-GIS svc that enables users to share map marking, analyse 3D trn and can also act as a base GIS engine for other appls that need to analyse geospatial data.</p> <p>(vi) Geographic Info Sys (GIS) based mapping tool is a valuable resource for Fmn Sigs as it help to visualize, analyse, docu and maint comn Nw infrastructure. With the ever-incr size of comn Nws, the automation of the whole process of mapping the Nw on a GIS platform is an essential reqmt.</p> <p>(vii) <u>Purpose.</u> To enable mapping of comn Nw over GIS platform pan IA. To devp a software to automate the process of mapping and monitoring the OFC layout on a GIS platform for better visualization and understanding.</p> <p>(viii) <u>Type of Sw.</u> Bespoke.</p> <p>(ix) <u>Cost.</u> Nil (Being in-house devp).</p> <p>(x) <u>Dply Scenario.</u> ADN.</p>		
(I)	<p><u>Whitelisting of 'SAMADHAAN' Appl Sw.</u></p> <p>(i) <u>Backgrnd.</u> A Sw appl has been devp indigenously by using state art of tech, wherein more than three lacs lines of code crafted to impl various algorithm technique for making sys more intelligent to do automatic tasks. The appl is being devp by Records The Rajputana Rifles for better mgt & handling of Grievances, managing the Central Registry and Soldier Dossiers.</p> <p>(ii) <u>Type of Sw.</u> Customized.</p> <p>(iii) <u>Cost.</u> Nil (Being in-house devp).</p> <p>(iv) <u>Dply Scenario.</u> LAN.</p>	<p>(i) Committee granted IPA for devp of Sw appl and directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appl's'.</p> <p>(ii) The committee also recom that the AG's Branch may study the Sw appl and promulgate the same to other Regt Centres (with modifications, if reqd) for better mgt & handling of Grievances of JCOs & OR Pan IA.</p>	<p>Records, RAJRIF Centre</p> <p>AG's Branch</p>

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(m)	<p><u>Apvl of 'SoP on Whitelisting for Sw Appls'</u></p> <p>(i) The draft amended SOP on Whitelisting was fwd to all stakeholders vide DDGIT letter No B/04001/Whitelisting SOP/DDGIT (T&P) dt 30 Nov 23 for perusal and inputs.</p> <p>(ii) The amended SoP caters fwg :-</p> <p>(aa) Reduced timelines for whitelisting from 19 weeks to 11 weeks (excl devp time).</p> <p>(ab) In accordance to the Portal of Appl Whitelisting (PAW) being devp by ASDC which is presently under testing at ACG.</p>	Committee directed DDG IT to share revised 'SoP on Whitelisting for Sw Appls' with all stakeholders ie Sigs-7, AHCC, ACG and ASDC. The same will be discussed in the next SAC mtg.	DDG IT/ DGIS
(n)	<p><u>Finalisation of Std Config of IT Hw & Peripherals for IA.</u></p> <p>(i) The std config of IT Hw & peripherals have been updated based on the inputs recd from envt.</p> <p>(ii) The same are recom for dscn in SAC for apvl and dissemination.</p>	Committee directed DDG IT to share 'Std Config of IT Hw & Peripherals for IA' with all stakeholders ie HQ DGIS, Sigs-7, ACG and ASDC. The same will be discussed in the next SAC mtg.	DDGIT/ DGIS
<u>Dscn Pts</u>			
(o)	<p><u>IVRS Based Sw for mov of Mil Spl Trains.</u></p> <p>(i) The sub case was returned to sponsor for devp on 25 Nov 2021.</p> <p>(ii) It has been telephonically confirmed by the sponsor that the sub case has been recom for foreclosure. Further detls wrt reasons for the closure of the said appl are being fwd by sponsor for the records.</p>	<p>(i) Sponsor recom the foreclosure of 'IVRS based Sw for mov of Mil Spl Trains' highlighting the reasons of escalated cost/ maint reqmts, info security concerns and complex loc monitoring in the proj.</p> <p>(ii) Committee approved the foreclosure of the case.</p>	DG OL&SM

3. For necessary action pl.

(Santosh Prasad)
Col
Col (Ops & Plg)
for Chairman SAC

Brig MO (IW), DG MO**Brig T, DG Sigs****Cdr, ACG**

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<u>DG Sigs (Sigs-7)</u>	<u>DGMO (MO-12)</u>	<u>ACG</u>
<u>DGSP (ORSA)</u>	<u>DGDS</u>	<u>DGMO</u>
<u>DG OL&SM</u>	<u>AG's Br</u>	<u>MGOL Sectt, HQ NC</u>
<u>13 Engr Regt</u>	<u>ACE, Mhow</u>	<u>AWC, Mhow</u>
<u>14 Corps Op Sig Regt</u>	<u>15 CESR</u>	<u>Records, RAJRIF Centre</u>
<u>HQ Northern Comd, GS (Sys)</u>	<u>HQ Northern Comd, GS (Ops)</u>	<u>5 FOD</u>
<u>NCCSR (Northern Comd Composite Sig Regt)</u>		<u>CDM, Secunderabad</u>
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