B/05353/SAC/Auto/IT/Info Sys

# IHQ OF MOD (ARMY): DTE GEN OF INFO SYS

# MINUTES OF 49<sup>TH</sup> STEERING AUTOMATION COMMITTEE (SAC) MTG HELD AT DGIS ON 10 APR 24

- Ref DCOAS (IS & C) Sectt Note No 57926/ICT/DCOAS (IS & C) Sectt/IS dt 07 Sep 21.
- The 49<sup>th</sup> SAC mtg was held on 10 Apr 24 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 S Balakrishnan, Brig T, DG Sigs.
- (ii) Brig Ravinder Singh, Brig Concepts, DGIS.
- (iii) Brig Atul Jaiswal, Brig IT, DGIS.
- (iv) Brig JN Bhatt, VSM, Cdr ACG.
- (v) Col CS Mankotia, Col MO-12, DGMO.

### (b) <u>Invitees/ Other Attendees</u>.

- (i) Brig NP Singh, Brig MISO, MISO.
- (ii) Col Vivek Sharma, Col CPW, ACG.
- (iii) Col Santosh Prasad, Col (Ops & Plg), DGIS.
- (iv) Col SP Singh, DGIS.
- (v) Col Jai Singh Shekhawat, Col MP-6, DGMP&PS Dte.
- (vi) Col Sudhakar Thakur, Col PS-3&6, ADG PS Dte.
- (vii) Col Aman Mohan, Col CD-8, DGCD.
- (viii) Col AP Galande, SO Proj, HQ Delhi Area.
- (ix) Col Aditya Sharma, E-in-C Br.
- (x) Lt Col Abhishek Kumar, GSO-1, DG AAD.
- (xi) Lt Col Vaibhav Deep Dabas, GSO-1 AAD, DG AAD.
- (xii) Lt Col Biswajyoti Sarmah, GSO-1 MO-10, DGMO.
- (xiii) Lt Col Himanshu Mathur, Proj Offr (EMERALD), DG EME.
- (xiv) Lt Col Abhishek Sharma, Proj Offr (EMERALD), DG EME.
- (xv) Lt Col Dennis Desi, GSO-1 (Auto), DGAC.
- (xvi) Lt Col Chikane Akhil Yuvaraj, GSO-1, Mech, ADG Mech Inf.
- (xvii) Lt Col Priyanshu Shukla, GSO-1, WARDEC.
- (xviii) Lt Col AR Packianathan, GSO-1 (SW), PMO ACCCS.
- (xix) Lt Col Dange Bhushan, GSO-1 (Proj), ASDC.
- (xx) Lt Col GS Patiyal, GSO-1, ACG.

- (xxi) Maj Sunil Kumar Dhaka, GSO-1, DGCD.
- (xxii) Maj Shashank Shekhar, GSO-1 MISO, DGIS.
- (xxiii) Maj Ashwin KM, ASDC, DGIS.
- (xxiv) Col S Kaushik, CO, 2 Corps Sig Regt.
- (xxv) Col Ankush Sharma, CO, 10 Inf Div Sig Regt.
- (xxvi) Col Dhiraj Bhandari, CO, 7 Inf Div Sig Regt.
- (xxvii) Col PK Gahlot, Col GS Exams, HQ ARTRAC.
- (xxviii) Lt Col Vibhore Mishra, GSO-1 Exams (A), HQ ARTRAC.
- (xxix) Lt Col Tony Josheph, FCE, MCTE, Mhow.
- (xxx) Lt Col Sudipto Nandi, SO-1 (Comn), HQ CC (Sigs).

Through VC.

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

S		Agenda Pt	Decision / Dscn	Resp
S No (a)	Autor (i)	Purpose.  (aa) Al based online invigilation is in practice for various exams worldwide. It is proposed that an 'Automated Al Enabled Proctoring Sw' be devp for IA by DGIS which will use the high speed NFS for conduct of all online exams. Initial test bedding can be carried out for internal exams of Cat A/ Trg Ests with lesser No of candidates in a localised envt before expanding to other exams in a Ph manner.  (ab) Online Proctoring will accrue	(i) The committee noted	HQ ARTRAC
		fwg advantages :-  (aaa) Accessibility.  (aab) Adm arngs.  (aac) Scheduling.	the dply of Sw in a ph manner and carry out PoC in CTLs at fmns & local LAN of trg est, prior to hosting on ADN.	
		(aad) Recording.	(iii) Proposal to be discussed again in SAC	
	(ii)	Type of Sw. Bespoke.	post submission of further details incl cost.	
	(iii)	<u>Cost</u> . NA (in house devp).		
	(iv)	<u>Dply Scenario</u> . ADN.		

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No (b)	(i) Purpose  (aa) Bhaskaracharya National Institute for Space Appls and Geo-Informatics (BISAG-N) has already devp Part B and JLPT Exam Sw for Exam Sec, HQ ARTRAC. Both the Sw are hosted on Exam Server at HQ ARTRAC and accessed by users pan IA.  (ab) The Sw once devp, will be hosted on the Exam Server so as to enable single window op of all exam related SWs. Proposed Chatbot will use dataset prep on the basis of relevant policy docus and existing common database of the a/m Exam Sw to address the envisaged large vol of queries of all concerned.  (ac) Al enabled Chatbot Sw will accrue fwg advantages:-  (aaa) Real Time Assistance.  (aab) Satisfy Large No of Queries.  (aac) Personalised Guidance.  (iii) Type of Sw. Bespoke.  (iii) Cost. As per MoU betn HQ ARTRAC and BISAG-N.	(i) The committee granted IPA to the proposal. The sponsor was advised to follow the guidelines of 'SoP on Whitelisting of Appls Sw in IA'.  (ii) The sponsor may also consider migrating the Online Exam Appls to CDC.	HQ ARTRAC
(c)	Indigenous Nw Mgt Sys (INMS)	(i) The committee	2 Corps
\ - 1	(i) Purpose. Post impl of NFS and Unified ADN across the fmns/ units/ subunits, the spread of Nw elements has incr manifolds. To ensure the reliable and failsafe comn, it is essential for fmn Signalers to have tools to monitor, control and optimise the performance and functionally of cmptr Nw. Nw administrator should be empowered to oversee Nw resources, detect and address issues and ensure the smooth op of the Nw.	advised the sponsor to prog the devp of INMS in collaboration with DG Sigs in order to avoid Duplicacy in effort and any conflict that may arise in Nw Ops/mgt.  (ii) Post devp, the PoC to be conducted at 2 Corps. Based on the feedback of PoC, and vetting by DG Sigs, the	Sig Regt (AREN)

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No	<ul> <li>(ii) INMS is the Nw mgt tool devp by CAIR Lab, DRDO, Bengaluru. It is intellectual property rights are owned by DRDO. INMS is built on open standards and protocol with no proprietary Sw. It is being offered license free to all Govt of India Nw. It supports mgt of heterogeneous Nw elements.</li> <li>(iii) Type of Sw. Customised.</li> <li>(iv) Cost. Being offered free of cost to all govt offices.</li> <li>(v) Dply Scenario. ADN.</li> </ul>	case may be fielded for consideration of Auto Committees.  (iii) The committee also dir the sponsor to share the source code of the appl during ACG vetting.	
(d)	(i) Purpose. Several apps and social media platforms avbl on smartphones are being used by our adversaries and PIOs to subvert IA pers. Hence, there was a felt need to devp a comprehensive package to mitigate android related vulnerabilities and take measures against PIO Appl & calls to secure our pers against a sustained IW Campaign of our adversaries. The proposal is to create a centralised cyber help desk appl for auto scanning and cyber hardening of mob phones. It will be a desktop based appl proposed to be devp in-house for scanning vulnerabilities and hardening android based smartphones. The appl is designed to run on a standalone sys, PC/Kiosk and smartphones shall be connected to it over USB cable for scanning & analysis. It will be capb of performing deep scan to check for presence of any malware, undesirable settings & dangerous permissions allowed to various apps. It will also harden the smartphones based on CIS (Centre for Internet Security) benchmark.  (ii) Type of Sw. Customized.  (iii) Cost. Nil.  (iv) Dply Scenario. Standalone.	The committee info the sponsor about a similar appl devp by MCTE, Mhow already whitelisted during 47th SAC mtg. The sponsor was dir to consult MCTE, Mhow and eval both the Sw for functionalities. Post eval merger of both the appl may be discussed again in SAC, to avoid dupl.	10 Inf Div Sig Regt
(e)	Crossed Sword Personnel Mgt Sys	The committee dir the	10 Inf Div
	(i) <u>Purpose</u> . To leverage the incr nw capb, there was felt need of having a comprehensive soln where the key appts of a	sponsor to share scope and details of the appl under consideration with MISO/ DGIS for	Sig Regt

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	Regt/ Unit can effectively manage adm tasks, HR, emp and mental robustness of their tps. The proposed web interface provides a mechanism to automate unit pers interviews, avbl of their personal & professional data with key appts & also evaluates an indl for his mental robustness.  (ii) Type of Sw. Customised.  (iii) Cost. Nil (in-house devp).  (iv) Dply Scenario. ADN.	incorporation of the fns in SAAMARTH (HC-ERP) which is being devp as a single pt soln of complete HR related aspects of IA.	
(f)	Devp of Soldier Situational Awareness Sys for Expl of 5G Testbed Est at MCTE for IA  (i) Purpose. 5G Nw has the ability to enhance the decision making and strategic capb of Def Forces. This would be possible only if the tech is studied in depth and expl for devp of 5G use cases for Def. 'Soldier Situational Awareness Sys' presents a transformative shift in mil ops by harnessing 5G's high bandwidth and low latency. It can seamlessly integrate data from numerous sensors and svl devices, empowering cdrs with real-time, comprehensive situational awareness. Est a dedicated 'Soldier Situational Awareness Sys' not only enhances battlefield capb but also serves as a cornerstone for an expensive research ecosystem, fostering the devp of diverse 5G-driven mil appls and services.  (ii) Type of Sw. To be ascertained by the sponsor.  (iv) Dply Scenario. To be ascertained by the sponsor.	The Chairman dir the sponsor to process the case on file with price discovery mechanism, cost breakdown and iden use cases, for comments by stakeholders.	FCE, MCTE, Mhow
(g)	APAC Database Appl  (i) Purpose. The appl has been devp in-house by HQ Western Comd GS Br (APTC)/ 7IDSR for monitoring of physical standards of Offrs.	<ul><li>(i) The committee dir the sponsor to process the case on file as per policy on the subject.</li><li>(ii) The committee also</li></ul>	HQ WC, GS Br (APTC)
		dir the sponsor to share scope and details of the	

S No	Agenda Pt	Decision / Dscn	Resp
NO	<ul> <li>(ii) <u>Type of Sw</u>. To be ascertained by the sponsor.</li> <li>(iii) <u>Cost</u>. Nil.</li> <li>(iv) <u>Dply Scenario</u>. To be ascertained by the sponsor.</li> </ul>	appl under consideration with MISO/ DGIS for incorporation of the functionalities in SAAMARTH (HC-ERP) which is being devp as a single pt soln of complete HR related aspects of IA. The committee granted IPA for expl of the appl till the time SAAMARTH (HC-ERP) is devp.	
(h)	Change in Procedure for Transmission of PT-II Orders Over NIC Mail  (i) The issue relates to modalities for use of NIC mail for txn of Part-II Order to PCDA (O), Pune of Offrs posted in IN/ IAF units as well as NCC/ MES/ BRO etc where ADN facility is not avbl in the near vicinity. Use of NIC Mail will obviate the need of ADN avbl at user's end. The Part II Order will be encrypted by the HRMS and further decrypted by MP-6.  (ii) Due to constraints of transmission of a 'RESTRICTED' docu over internet, it is proposed to mask/ codify all restd/ sensitive/ classified data in the present format like Bde/ Div etc as well as SUS No etc.  (iii) The proposal will incl fwg changes from present sys:-  (aa) Sw to encrypt the HRMS output in an acceptable format, which can be transmitted over NIC mail.  (ab) Based on SUS No, codify all demographic data such as Comd, Corps, Div, Bde etc. Only SUS No for Unit and PCDA (O) A/C No may remain for identity at both ends. Bal data be used based on codes to be devp.  (iv) This issue was raised to the VCOAS during update on 21 Mar 24 and the VCOAS has concurred with the proposal of txn of Pt-II Orders over NIC mail, if feasible.	(i) The committee granted IPA for the devp of encryption/ decryption utility for offline/ standalone HRMS users and further exch of Part II orders through NIC mail.  (ii) The committee also dir the proposed mechanism to be utilised for secure exch till such time proliferation of SAMBHAV nw is extended to all affected users and SAAMARTH (EHRMS) is rolled out pan IA.	AG/ PS-6 (D)

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(j)	(i) Background. MISO captures data of Manpower, Eqpt & Tpt in its PSG, MMS & TMS Module of the appl. This data is fed by the units in various colns such as Eqpt Serviceability, Vintage, Engine hrs run, Kms done etc. These fds may be utilised to indicate various Eqpt parameters which is a subset of Fmn Op Readiness State. Op Readiness State remains specific to the Fmn Op role & tasks. Thus there is a reqmt for specifying parameters for capturing Fmn Op State aspects based on MISO data fd colns.  (ii) Purpose. To provide a single window view to Cdrs & SOs to view & analyse Eqpt Parameters and Op State.  (iii) Proposal. To expl the data fds captured in MISO through a Op State Dashboard, there is a need for nominating the parameters ascertained for calculating Op State.	(i) Committee granted IPA for the devp of Dashboard in MISO 4.0.  (ii) The committee dir the invitees from Line Dtes to provide the sponsor with necessary dte specific data fields and plg parameters for incl in the dashboard.	MISO/ DGIS Invitees Reps from DG Inf, DG AAD DG Mech DG Armd DG Sigs DG EME E-in-C Br
(k)	(i) Proposal. Service Pers are not allowed to take part in demonstrations and protests. Exsm have a resp towards the nation even after retirement and hence should not participate in politically motivated protests. However, it has been observed that, in recent past, service pers and exsm have been found to be indulging in protests. This leads to avoidable embarrassment as it comes under adverse obsn of media. A face recog Sw of Confd CI is proposed to be devp for iden of indls participating in the protests The software will be devp by DGIS and be of CONFD CI & uploaded on webpage of DGMI on Army Portal.  (ii) Type of Sw. Bespoke.  (iii) Cost. In-House Devp  (iv) Dply Scenario. ADN.	informed about a similar appl 'xFACE' devp by MCTE, Mhow, which was	DGMI
(I)	Surya ERP Soln (SERPS)  (i) The case was discussed and IPA was accorded in 48 <sup>th</sup> SAC mtg held on on 08 Mar	The committee granted apvl for devp of Soln in Two Phs as versions of the	HQ CC (Sigs)

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140	<ul><li>24. The sponsor has submitted the fwg pts for consideration:-</li><li>(aa) The Sw comprises of seven different modules which cater for auto reqmt of comn, logs &amp; adm. It will facilitate auto of resources in terms of eqpt and manpower.</li></ul>	appl instead of proposed Three. This will aid in vetting and record keeping.	
	(ab) As per the dirns of the SAC, the appl was reqd to be devp in a single phase and processed for whitelisting. However, sponsor has requested that the seven modules are under different stgs of devp at BISAG-N. Thus, it has been requested that permission may be accorded to devp and whitelisting the appl in three phases.		
(m)	Whitelisting of Al Assisted Eval Sys. The appl facilitates digital map mkg by the student offrs and Al based eval of the same by the DS. The appl was whitelisted for excl LAN dply as per the reqmt. However, the sponsor has requested for changes in the appl as under:-	The committee dir the sponsor to merge the appl with Distance Learning Package (DLP) and the proj to be steered by HQ ARTRAC.	WARDEC ARTRAC ASDC
	<ul><li>(i) Use of appl as Online map mkg tool to be used by all offrs, pan IA.</li><li>(ii) Al based eval sys will be removed.</li><li>(iii) Change of dply scenario from excl LAN to ADN.</li></ul>		
(n)	Whitelisting of Digitisation Sw and Permission to use SFTP. Whitelisting of Ezee file (DMS Software) is recom alongwith use of SFTP for transfer of digitized data from Server to NAS.	The committee granted IPA for whitelisting of the Sw. The committee dir the sponsor to submit the VDI of the Sw to ACG for vetting.	AWHO
(o)	Convergence of 'Committee for Adoption of Niche Tech in IA' & 'IA Auto Committee' at the Apex Level ie EAC. The aspect was deliberated during 10 <sup>th</sup> Empowered Automation Committee (EAC) mtg. The committee dir the aspect to be discussed during lower Automation Committee mtgs and recoms of the same to be deliberated during 11 <sup>th</sup> EAC mtg.	<ul> <li>(i) The committee deliberated the proposal with all stakeholders and recom for consideration of OAC.</li> <li>(ii) Draft composn of merged committees is placed as <b>Appx</b>.</li> </ul>	DGIS

S	Agenda Pt	Decision / Dscn	Resp
S No (p)	Digitisation of Def Land Records of Delhi Area.  (i) Gen. Land Br at HQ Delhi Area deals with plethora of cases related to def land. The handling of def land cases often requires the land records be kept handy for ready refs with adequate details of landscapes, bdys, satl photos, actual photos & geo locs under the jurisdiction of HQ Delhi Area.  (ii) Background. The def land in and around Delhi is divided into various zones, sectors & Cl and held with various agencies like DEO, Cantt Bd, IAF, IN, SFC & Pvt, apart from HQ Delhi Area. The land being at premium in Delhi, a No of requests are recd for temp and permt tfr of land from various orgs. Apart from that, there are a No of encroachments & NOC violation cases/ court cases involving land title being dealt by Land Br. Reqmt of land for KLP, Md accns, Schools and any other infra devp/ welfare proj has 'Land' as the start pt. However, at Delhi Area the land records are still being maint in files/ manually.  (iii) Essential Regmt. Over the years, with the digitisation of records at DEO, DGDE & even MoD (Lands) level, the time frame to comment on any request of land has shortened considerably. Presently the est is dependent on the human knowledge acquired on the job by land br functionaries, there is a scope of subjectivity creeping in and after every three yrs. Therefore to avoid subjectivity & to create a threshold knowledge bank, it is prudent that digitisation of land records & policies be undertaken on priority.		Resp HQ Delhi Area
	(iv) <u>Devp of Appl for Digitisation</u> . Land digitisation would entail the process of converting traditional land records, maps and info related to land into digital forms. This transformation involves devp appl to create, manage and store land related data in digitised form. Hence, it is proposed that assistance of DGIS be provided for devp the appl for digitisation of Def Land Records of Delhi Area.		

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nfo	Pt		
(q)	Update on Enterprise IA Secure Access Card (eIASAC)  (i) Proposal. eIASAC is a tri-services proj to replace existing paper based I-Cards with chip embedded smart card. Initial issue of eIASAC to all IA serving pers would necessitate particulars of all serving pers (Offrs, JCOs & OR) to be collected duly auth by competent auth as applicable through ibid proposed bespoke Sw.	on the agenda by sponsor. The committee granted IPA for hiring of six coders for devp and dply of eIASAC for one vr at the	
	(ii) The proposal was discussed during 46th SAC mtg held on 30 Jan 24 and Committee gtd IPA for devp of Sw appl. Subsequently, file for hiring of six coders for devp of Sw appl has been processed to IFA for concurrence. The file has been returned by IFA with comments to clarify the fin outgo for the subject hiring.		
	(iii) The proj for hiring of six coders for eIASAC devp and dply has been incl in IT PPP 2024-25 at Ser No 159. The hiring is inescapable to ensure timely devp of appl. It is proposed that apvl of SAC be gtd for hiring of six coders for devp and dply of eIASAC for one yr at the cost of ₹ 51.50 Lacs.		
7)	Freq of EAC Mtg. VCOAS directed that the EAC should meet once a month to synergise auto initiatives at the strat level and enable faster absorption of niche tech in the IA, aligned with the 'IA Theme of Yr 2024: Yr of Tech Absorption'.	The committee was briefed on the dirns of the VCOAS. The committee recom the same to be incl in the next OAC mtg for info of all stakeholders.	DGIS

4.

(SP Singh)

Col

Col (Ops & Plg) for Chairman SAC

Encl : As above.

Brig MO (IW), DG MO

DG Sigs (Sigs-7)

HQ ARTRAC (Exam Sec)

Brig T, DG Sigs

DGMO (MO-12)

2 Corps Sig Regt (AREN)

Cdr, ACG

ACG

10 Inf Div Sig Regt

FCE, MCTE, Mhow HQ Western Comd, GS Br (APTC) AG/PS-6 (D)

HQ Central (Sigs) WARDEC AWHO

DG Inf (Coord) DG Arty (Coord) DG AAD (Coord)

DG Armd (Coord) E-in-C Br (Coord) DG Mech (Coord)

DGMI DGCD (Coord) HQ Delhi Area

Copy to :-

DCOAS (IS & C) Sectt

DCOAS (Strat) Sectt - for info pl.

DCOAS (CD & S) Sectt

Internal:-

DDGIT MISO ASDC PMO CIDSS

PMO BSS PMO ACCCS AIC

Appx (Ref to Para 3 (o) (ii) of HQ DGIS Note No B/05353/SAC/Auto/IT/Info Sys dt 19 Apr 2024)

# **COMPOSN OF EXISTING COMMITTEES**

S No	• • • • • • • • • • • • • • • • • • • •		mmittee for Adoption of e Tech in IA	IA Auto Committee		
		Apex Body	Steering Gp	EAC	OAC	SAC
1.	Chairman	VCOAS	DG CD	VCOAS	DG IS	ADG IS
2.	Members	DCOAS (Strat)	ADG IS	DCOAS (Strat)	ADG MO (IW)	Brig MO (IW)
		DCOAS (CD&S)	ADG ex MO Dte	DCOAS (CD&S)	ADG ADB	Brig IT
		DCOAS (IS&C)	ADG ex MI Dte	DCOAS (IS&C)	ADG T	Brig T
		MGS	ADG SP		ADG FP (On reqd basis)	
		QMG	ADG ADB			
		DG MO	ADG IC			
		DG IS	ADG EM			
			ADG FP			
			MGGS (Apvl & Plans)			
3.	Member Secy	DG CD	ADG CD/ Brig CD	DG IS	ADG IS	Brig Concepts
4.	Permt Invitees	-	-	DG IW	-	Cdr ACG
				SO-in-C		
5.	Addl Members (Agenda Based)	MS/ AG/ E-in-C	ADG ex Line Dtes/ Other IA reps/ Civ SMEs	Addl ADGs ex Functional/ Line Dtes, Co-opted members at the discretion of Chairman/ dirns of EAC/ OAC		

# Appx (Contd...)

### PROPOSED CONVERGED COMMITTEES

S No	Composn	EAC	OAC	SAC
1.	Chairman	VCOAS	DG IS	ADG IS
2.	Members	DCOAS (Strat)	ADG MO (IW)	Brig MO (IW)
		DCOAS (CD&S)	ADG ADB	Brig IT
		DCOAS (IS&C)	ADG T	Brig T
			ADG MI	Brig MI (Tech)
				Col ADB (Sigs & EW)
3.	Member Secy	DG IS	ADG IS	Brig Concepts
4.	Permt Invitees	DG MO	ADG SP	Brig CD
		DG MI	MGGS (Apvl & Plans)	Cdr ACG
		DG CD	ADG CD	Col SP (Tech & AI)
		DG IW		Col (Apvl & Plans)
		SO-in-C		
5.	Addl Members (Agenda Based)	AG/ MS/ DG (OL&SM)/ E-in-C/ MGS/ QMG	ADG IC/ ADG EM/ ADG FP/ Addl ADGs	Co-opted members as per agenda pts