Tele No: 39584

B/05353/Auto/STC/IT/Info Sys   12 Aug 2024

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

**MINS OF FIRST STEERING TECH COMMITTEE (STC) MTG ON
AUTO/ DIGITISATION/ SERVICE SPECIFIC & JT APPLS - STC (AUTO)
HELD AT DGIS ON 02 AUG 2024**

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1.   Ref DCOAS (IS & C) Sectt Note No 57926/ICT/DCOAS (IS & C) Sectt/IS dt 07 Sep 21 and DGIS Note No B/05353/Auto/IT/Info Sys dt 08 Jul 24.

2.   The first STC (Auto) mtg was held on 02 Aug 2024 at DGIS Conf Hall. The mtg was chaired by Lt Gen Rajiv Kumar Sahni, VSM, PhD, DG Info Sys. Fwg were present during the mtg:-

    (a)   **Members**.

        (i)   Maj Gen AK Jha, ADG IS, DGIS.

        (ii)   Brig Rajesh Sihag, Brig Concepts, DGIS.

        (iii)   Brig Maneesh Joshi, Brig IT, DGIS.

        (iv)   Brig JN Bhatt, VSM, Cdr, ACG

        (v)   Col Manoj Singh Silot, Col (Sigs & EW), ADG ADB.

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

        (i)   Brig Venkat Narayan, Brig Med, HQ NC.

        (ii)   Col Tripti Agrawal, Col Hlth, HQ NC.

        (iii)   Col Vikrant Mehta, Col GS (Plg), HQ NC.

        (iv)   Col Kuldeep Rathore, CO, NCSR.

        (v)   Col Sudhendu Roy, CO, 5 FOD.   - Through VC

        (vi)   Lt Col SS Meetei, OC, HQ 11 Sect RR Sig Coy.

        (vii)   Lt Col Gurvinder Singh, OC-1, CCSR.

        (viii)   Maj Abhishek Puri, OC-1, 9 CSR.

        (ix)   Maj Vaibhav, Proj Offr, MCTE.

        (x)   Brig NP Singh, Brig MISO, DGIS.

        (xi)   Brig SP Sharma, Brig Med (IT), DGMS (Army).

        (xii)   Brig RK Pandey, Brig MS (F), MS Br.

        (xiii)   Col SP Singh, Col (Ops & Plg), DGIS.

        (xiv)   Col Rajith R Unni, Col MI-17. DGMI.

        (xv)   Lt Col Manmeet Singh, GSO-1, ACG.

        (xvi)   Lt Col Anil Pun, DAAG Grievances, CAMO, DG MP&PS.

        (xvii)   Lt Col Vaibhav Joshi, DGMI.

        (xviii) Lt Col Sujith Babu, TSO-1 (EME), HQ TG EME.

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(xix)   Lt Col Shantanu Ghatak, ASDC, DGIS.

(xx)   Lt Col Gautam Pant, GSO-1 (T&P), DDG IT, DGIS.

(xxi)   Lt Col Rajat Pandey, GSO-1 (IT), DG EME.

(xxii)   Lt Col Swapnil Pandey, AMS-9A, MS Br.

3.   DG IS welcomed all members of STC (Auto) and exhorted that collaborative efforts of all stakeholders is must to leverage the Auto/ digitisation initiatives for enhanced op effectiveness. Chairman highlighted that as per dirns of 11th ETC Mtg, DGIS has been nominated as **'Anchor Dte'** for **'Tech Clusters' of AI/ ML/ Deep Learning & Big Data Analytics and Auto/ Digitisation/ Service Specific & Jt Appls** to harmonise and de-conflict the efforts wrt the projs being devp pan IA.

4.   The 22nd OAC mtg held on 12 Jul 24 was the last OAC mtg before shifting to new schema of Steering Tech Committee (Auto/ Digitisation/ Service Specific & Jt Appls) which **has subsumed both Steering Auto Committee (SAC) & Oversight Auto Committee (OAC) incl the charter and fin powers of the SAC & OAC**.

5.   The agenda pts discussed and decisions taken are given below:-

S No	Agenda/ Info Pts	Decision / Dscn	Resp
(a)	**NC Comb Trauma Registry (NCCTR)** (i) **Purpose**. NCCTR is being devp by NC Sig Regt (NCSR) for recording comb trauma related database for NC Theatre which will offer a structured platform to docu, analyse, and disseminate critical data pertaining to comb related injuries sustained in the line of duty to both med and adm echs simultaneously. (ii) **Type of Sw**. Bespoke. (iii) **Cost**. Nil (In-house devp). (iv) **Dply Scenario**. ADN.	(i) Committee gtd IPA for devp of 'NCCTR'. (ii) Committee directed the sponsor to coord with Brig IT, DGIS, Brig Med (IT), DGMS (Army) & devp team of Dhanwantri Sw appl, DGMS (Army), for finalisation of modalities pertaining to source of data genr. Feedback on the same to be given to the Committee by 14 Aug 24. The feasibility to integ the NCCTR Sw with MISO 4.0 (SSOT for data wrt pers, eqpt, etc for IA) to be expl by the sponsor. (iii) NCCTR Sw appl, once fully devp and matured, to be upscaled for further expl pan IA. (iv) Committee dir the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.	**HQ NC (Sigs)** **HQ NC (Med)**
(b)	**Access Rts Mgt Sys (ARMS) for Different Cat of Sys Users** (i) **Purpose**. ARMS Sw appl will cover aspects mentioned as under:-	(i) The sponsor briefed the Committee on the Sw appl which monitors the restd access of resources to the users (cat based) of HQ CC.	**HQ CC (Sigs)** **CCSR**

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	(aa) Limits the access of resources to users incl web access, local Hw resources, storage access and requires an authentication mechanism for achieving the same. (ab) Uses multi-tier authentication mechanism to login to the sys and according to the cl of the user, the access to the resources is provided. (ac) Any change in the access reqmts will be authenticated by the sys admin or the offr who is resp for the sys. (ii) **Type of Sw**. Customised. (iii) **Cost**. ₹ 1.03 Cr. (iv) **Dply Scenario**. ADN.	(ii) Committee highlighted that the access rts of various central utilities on ADN are being monitored through existing IAM integ and therefore the proposed Sw accts for dupl of efforts. (iii) Committee directed the sponsor to mov the case on file and obtain comments of **DGMI & DG Sigs**. (iv) The case will be discussed in subsequent STC (Auto) mtg if adequate utility and traction is est post obtaining the comments.	
(c)	**Western Comd Repository Mgt Sys** (i) **Purpose**. There is a reqmt to compile data sets and create data libraries for both own and adversary's eqpt/ platform/ wpn sys, to be utilized subsequently for trg AI modules/ engines/ algorithms and eval AI appls. These datasets (Photos, videos, text etc) should be annotated and compiled separately for each arms and services to train single eqpt/ wpn/ platform-based AI appln or integrated AI appl for multiple eqpt/ wpn/ platform sys. To populate data all users of Western Comd need to ingest datasheet in ibid appln. (ii) **Type of Sw**. Bespoke. (iii) **Cost**. In-house. (iv) **Dply Scenario**. ADN.	(i) Committee gtd IPA for devp of 'Western Comd Repository Mgt Sys'. (ii) Committee directed the sponsor that adequate impetus be given to collection of en data vis-à-vis own data, which could be further expl/ utilised by fd fmns/ units in enhancing the op preparedness. (iii) Committee directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.	**9 CSR**
(d)	**Auto Op Wks Procedure** (i) **Purpose**. Auto of Op Wks procedure from Div level right up to DGMO (MO-4) will result in manpower saving (reqd only at job initiating end), instant vis	(i) The sponsor briefed the Committee on usage of Sw appl in allocation and monitoring of op wks funds incl re-appropriation of funds within fmns of HQ NC.	**HQ NC GS (Plg)**

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	to the prog of Op Wks, digitisation of data, shortening of job processing and exec loop, thereby resulting in fast tr of op wks exec, booking of funds and analysis. This will enable smooth decision making at HQ NC for undertaking re-appropriation of funds from one fmn to another. (ii) **Type of Sw**. Web Appln. (iii) **Cost**. ₹ 10 lakh. (iv) **Dply Scenario**. ADN.	(ii) Committee highlighted that IPA for a similar Sw appl namely 'Sw for Analysis & Mgt of Pradimune Op Wks Data (SAMPORNA)' devp by 13 Engr Regt, HQ NC was gtd in 44th SAC Mtg held on 08 Dec 23. The devp of Sw appl 'Auto Op Wks Procedure' will entail dupl of efforts. (iii) Committee directed the sponsor to present the detls of the Sw appl viz tech stack, utility, etc through a VC to the Committee for further consideration.	

(e)	**Ashwa Base Monitoring & Mgt Sys**
	
	(i) **Backgrnd**. Annual Migration and Reverse Migration of Gujjars and Bakkarwals into the higher reaches of the UT (J&K) has been a matter of concern for the IA because of historic instances of mov of trts and tn of WLS from the Distt of Samba, Kathua, Jammu and Reasi into the Kashmir Valley using sp of these shepherds in gps called Deras. These Deras also act as imp sources of int if positively engaged by the IA. Till 2022 migration season, the recording of Dera mov was being carried out on a standalone and geographically isolated mode with fwg inherent limitations:-
	
	    (aa) Lack of std process and dupl efforts.
	
	    (ab) Absence of centralised database.
	
	    (ac) Non-avbl of any mov tr mechanism and data analytics.
	
	(ii) **Type of Sw**. Bespoke.
	
	(iii) **Cost**. ₹ 10 Lakhs (approx).
	
	(iv) **Dply Scenario**. Internet (Proj is based on an Android App which will be carried by Ptl Ldrs).
		(i) The sponsor briefed the Committee that 'Ashwa Base Monitoring & Mgt Sys' is now being devp as a **'Web Appl on Internet'**, to assist the fd fmns/ units op in CI/ CT envt for monitoring mov of ANEs in their AoR.
		
		(ii) Committee gtd IPA for devp of 'Ashwa Base Monitoring & Mgt Sys'.
		
		(iii) Committee directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.
			HQ 11 Sect RR

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	(v) The proposal has been uploaded on PAW and has been fwd for Pre-Devp stg comments of all stakeholders. The same is fwd herewith as dual ch processing is reqd during intial stgs of PAW.		
(f)	**Est of Friends for Life (FFL) Webpage** (i) **Backgrnd**. The FFL proj was envisaged for providing a link to FFC trainees for enhancing interaction with their alma maters in India. With approx 11000 Offr alumni passed out from different Cat A est over last 20 yrs, a concerned effort being made to strengthen the bond betn them and the est, for obvious mil-diplomatic benefits in the long run. As part of long-term initiative, based on the dirns of the COAS a separate 'Alumni Website' to be hosted on internet for all past and future FFC alumni from Cat A ests with indl login IDs. (ii) **Type of Sw**. Customised. (iii) **Cost**. ₹ 33.54 lakh (approx). (iv) **Dply Scenario**. Internet (NIC). (v) The proposal was discussed during 46th SAC mtg held on 30 Jan 24 and the Committee directed the sponsor to obtain comments of MI Dte and MO Dte on file.	(i) Committee highlighted that the Sw appl has already been devp in-house by DGIS. However, the comments of DGMI & DGMO on file are still awaited. The Sw appl will be fwd for vetting to ACG & AHCC post receipt of comments on file. (ii) The proposed Sw will lead to dupl and hence not apvd.	**HQ ARTRAC** **MCTE** **DGIS**
(g)	**IPA for AMA Dashbd** (i) **Purpose**. 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. (ii) **Type of Sw**. Bespoke.	(i) Committee highlighted that 'AMA Dashbd' is devp on tech stack of **'Power BI Tool'** which is already a whitelisted Sw appl. Therefore, a separate whitelisting of 'AMA Dashbd' Sw appl will entail dupl of efforts. (ii) Committee directed the sponsor to continue the devp efforts of the Sw appl and coord with DDG IT & ASDC post devp of the appl.	**5 FOD**

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	(iii) **Cost**. In-house devp (Using Power BI Tool). (iv) **Dply Scenario**. ADN. (v) The proposal was discussed during 44th SAC mtg held on 08 Dec 24 and the Committee directed the sponsor to devp/ mod the devp stack of Sw appl to enable handling of confd data on ADN as per cyber security guidelines.		
(h)	**Bitvise Sw** (i) **Backgrnd**. As per the dirns of 19th OAC Mtg held on 15 Mar 24, the waiver for utilisation of Bitvise Sw was accorded from 31 Mar 24 to 31 Jul 24. However, during interaction with IFA rep on the subject matter considering the vintage of the ibid proj, it was advised to process the case on OTE basis. Apropos, a fresh case has been processed for proc of File Tfr Sw on 30 Apr 24. Since, the proc process has to be restarted, considerable time will be spent on culmination of the same. (ii) **Proposal.** The subject case has been taken up with DGMO (MO-10) to grant an extn for use of Bitvise Sw till 31 Jul 25. However, MO-10 directed to process the case through Steering Tech Committee (Auto).	(i) Col MI-17 briefed the Committee on the procedural delays in proc of 'File Tfr Sw' due to obsn recd on file. The sponsor emphasised on continuation of usage for Bitvise Sw to meet functional reqmts of DGMI. (ii) Committee gtd the waiver for usage of Bitvise Sw for a pd of **'Three Months (till 31 Oct 24)'** and directed the sponsor to obtain AoN for the Sw appl on priority. The further extn of waiver will only be considered if AoN is obtained by the sponsor.	**DGMI (MI-17)**
(j)	**Internet Based Web Appl for Agniveers** (i) **Backgrnd**. The payslips of Agniveers are being uploaded in ASAAN in both pdf & XML format which can only be accessed by Agniveers on ADN PCs. The migration of the pay slip upload and download option to an internet based appl will reduce the load on ASAAN and also the bw reqmts on ADN. (ii) **Purpose**. To devp an internet based web appl for Agniveers. The appl will facilitate access of unclas data pertaining to Agniveers over internet eg pay slip & any gen info as felt necessary from time to time.	(i) Committee highlighted that the functionalities mentioned in the Sw appl are already incorporated in ASAAN appl. In addn, HAMRAAZ appl being on internet may be expl for the same. (ii) Committee recom that the Hw infrastructure for HAMRAAZ appl already exists and directed the sponsor to coord with Brig MISO on the subject reqmt. The detls of the case further be discussed in subsequent STC (Auto) mtg.	**CAMO**

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	(iii) **Type of Sw**. To be ascertained by sponsor. (iv) **Cost**. The proposal is an Integ Hw proj with expdr mentioned as under: - (aa) Hw - ₹ 8,00,000/- (Rupees Eight Lakhs only) for proc of servers, 5 KVA UPS & related IT Hw. (ab) Sw - Nil (To be devp through existing resources). (v) **Dply Scenario**. Internet (VMs need to be hired on NIC cloud).		
(k)	**Re-designing of Eqpt Help Line (EHL) Sw Appl** (i) **Purpose**. The upgraded EHL web appl will act as a platform for the EME units in IA to provide effective engg sp to fd fmns by expl the EMERs and eqpt related policies avbl as a ready reckoner. (ii) **Type of Sw.** Bespoke. (iii) **Cost**. ₹ 13 lakh (Approx). (iv) **Dply Scenario**. ADN.	(i) Committee gtd IPA for 'Re-designing of Eqpt Help Line (EHL)'. (ii) Committee directed the sponsor to follow the guidelines as mentioned in 'SoP on Whitelisting of Appls'.	**DG EME**
(l)	**IC No Based Login in IAM**. (i) **Backgrnd**. Most of the centrally dply sw appls in IA are based on the common user credentials i.e. singular domain user ID and its pwd. User credentials remain common across the appls as the impl of IAM has now stabilised and all the appls which are to be hosted on ADN have to under go IAM integ ph before launch. However, legacy appls which were devp before the impl of IAM have their their own user mgt and thus have separate usernames and passwords. These usernames are specific to appls and can not be reused as centralized nw (ADN) only understands the domain users. In a step fwd in Single Sign On (SSO) and access mgt, two factor	Committee directed that the case be processed on file and comments of DG Sigs be obtained prior to fielding in STC (Auto) mtg.	**DGIS** **DG Sigs**

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	authentication is provided at IAM layer depending on the cl of data handled by the appl. IACA token are used for second factor authentication and digital signatures which are purely depd on the personal identity of user i.e. Army No, Rk & Name of token holder. (ii) **Proposal**. In order to bring personalisation of user experience, it is proposed that the mapping of pers iden i.e. **Army No** (as stored in the IACA token) and the **Appt tenated** (Domain user ID) be maint at the IAM level. Provn should be given to the users so that the mapping **'Appt-Army No'** can be created and it is regularly updt at IAM dashbd based on avbl of indl on a particular appt. The authentication facility at IAM is to be extended so that the users on nw can be iden with help of either by Domain ID or pers Army No and accordingly the IAM access of respective appls be presented to the user. (iii) **Accrued Benefits**. Appls which are devp purely based on the Army No of users can be on-boarded in the IAM and the appl developers have flexibility to either design their appls based on Appt ID (domain ID) or Army No. Personalized experience to the domain users.		
(m)	**'Critical Care' Sw Appls** (i) **Purpose.** Critical care med appls are designed to manage and treat patients with severe med conditions. The appls are crucial for improving patient outcomes, enhancing the efficiency of care del and sp healthcare providers in high stress envt. The Sw appls are integ with suitable Hw to provide insights on comprehensive patient info and sp clinical decision making. DGMS (Army) has devp 'Critical Care' med appls mentioned as under :- (aa) **Robotic Gait Trainer with Exoskeleton for Patients**. An AI based physical appl integ with Hw to assist patients with spinal cord problems.	(i) Brig Med (IT) briefed the Committee that the agenda pt wrt '**Robotic Gait Trainer with Exoskeleton for Patients'** & '**Alignment Guide for Bone Resection'** are withdrawn being at adv stgs of proc. (ii) Committee directed the sponsor that Sw appls for **'Portable ICUs'** & **'Critical Care Amb'** be iden and the case be thereafter fielded in subsequent STC (Auto) mtg for grant of IPA.	**DGMS (Army)**

S No	Agenda/ Info Pts	Decision / Dscn	Resp
	(ab) **Alignment Guide for Bone Resection**. To devp a smart and lt wt tool with screen and sensors to perform knee replacement surgery. (ac) **Portable ICUs**. Integ Sw & Hw for collating and leveraging critical data to perform procedures through immersive combination of niche tech viz IoT, VR, etc (ad) **Critical Care Amb**. Real time tfr of data to referring & receiving hosps simultaneously. (ii) **Type of Sw**. Bespoke. (iii) **Cost.** To be ascertained by sponsor. (iv) **Dply Scenario**. To be ascertained by sponsor.		
(n)	**Cadre Mgt of Offrs Qualified in Various Tech Domains** (i) **Backgrnd.** The yr 2024 has been earmarked as **'Yr of Tech Absorption in IA'** thereby entailing adoption of a focused apch for harmonising/ de-conflicting efforts, monitor prog of initiatives and enhance impl of tech initiatives pan IA. Absorption of tech and esp niche/ emerging tech requires qualified and competent Offrs with stable and extended tenures. (ii) **Purpose**. The QR for offrs to steer tech projs entails a critical understanding of the tech paradigm of IA incl leveraging of tech skills for devp & operationalising sys and sw appls across op, trg and auto domains. In addn, the continued availability of the offrs in the appts is vital for devp, commissioning and stabilisation of the existing/ upcoming initiatives thereby enabling a seamless transition of IA to 'Theaterised Envt'. Therefore, it is essential to allocate a qualified, dedicated and indispensable	(i) Brig MS(F) briefed the Committee that reqmt of offrs qualified in various 'Tech Domains' have been recd from all 'Anchor Dtes' pertaining to the respective 'Tech Clusters'. (ii) A collegiate is being held by MS Br for streamlining the reqmts of all Dtes/ Br of IHQ of MoD (Army). The inputs recd from the stakeholders will be presented in **13th ETC Mtg**.	**MS Br (MS-9)**

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	team of offrs for steering projs in various 'Tech Domains/ Clusters' being headed by various Dtes/ Br of IHQ of MoD (Army). HR mgt of offrs for tech absorption in IA therefore assumes a vital importance. (iii) **Proposal**. A brief on 'Cadre Mgt of Offrs for Tech Absorption in IA' be presented by MS Br.		
Info Pt			
(o)	**Convergence of Proc Monitoring Appl** (i) The fwg Sw appls exist for aspects related to PCM, payment and other associated issues sponsored by MGS (Staff & Coord):- (aa) **Raksha Yantra.** HQ IDS is op and managing Sw appl named Raksha Yantra for monitoring Capital Acqn Scheme and the nw has been extended to SHQs. In order to digitize and auto post contract process for the same, 'Post Contract Module' has been incorporated in the appl. The said module is for monitoring sch del, actual del status, payments carried out and committed liabilities. (ab) **Computerised Inventory Cont Gp (CICG).** CICG is impl one of the largest ERP in GoI. It involves auto of AOC units/ Fmn HQs incl associated external entities of AOC sup chain. In future it plans to roll out CICG to all EME units, Fmn HQs, AOC units etc. Data related to contract both Capital & Revenue, del sch etc is also being incorporated in the said appl. (ac) **Proc Trac**. AOC has devp an appl, hosted on ADN to streamline and genr consolidated data on all proc cases post contract. The appl by CICG enables all stakeholders viz CD, MGS Proc A&B, MGS PPO, OS Store Sec and Central Depots to	Committee highlighted that a **'Single Window Soln'** for monitoring proc cases has been devp for the VCOAS Sectt. Committee recom that bfg-cum-demo of the same to be presented in 13th ETC mtg.	**MGS (Staff & Coord)** **HQ IDS** **DGIS** **DGOS** **DGCD** **CICG**

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	update in real time the details of contracts, at all stages on a single platform. (ad) **Proc Monitoring Appl (ProMo)**. The appl monitors all ongoing capital eqpt cases being done by DCOAS (CD&S). (ii) Feasibility for data sharing betn these Sw appls being used by HQ IDS, MGS Br and DGCD has been explored, for eff monitoring of Capital Acqn projs by VCOAS Sectt. (iii) A progrep on 'Convergence of Proc Monitoring Appls' to be given for perusal of STC (Auto).		

6.   For necessary action pl.

(Jageshwar Gauniyal)
Lt Col
GSO-1 (Plg)
for Chairman STC

ADG MO (IW)	**ADG T**	**ADG ADB**
DGMO (MO-12)	**DG Sigs (Sigs-7)**	**ACG**
DGMI (MI-17)	**CAMO**	**MS Br**
MS Br (MS-9)	**DG EME**	**DGMS (Army)**
HQ 11 Sect RR	**HQ NC (Sigs)**	**HQ NC, GS (Plg)**
HQ NC (Med)	**NCSR**	**HQ CC (Sigs)**
CCSR	**MGS (S&C)**	**9 CSR**
HQ ARTRAC	**5 FOD**	**MCTE, Mhow**
HQ IDS (Ops & Plg)	**DGOS**	**DGCD**
CICG		

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PMO BSS	**PMO ACCCS**	**AIC**	