

**MID REGION ASBU Threads & Elements (Block 0 & 1) Prioritization Table**

Thread	Element code	Title	Priority	Start Date	Monitoring		Remarks
					Main	Supporting	
<i>Technology Threads</i>							
ASUR	B0/1	ADS-B	1	2020	CNS SG	ATM SG ASPIG	
	B0/2	MLAT	1	2020	CNS SG	ATM SG ASPIG	
	B0/3	SSR-DAPS	1	2020	CNS SG	ATM SG ASPIG	
	B1/1	SB ADS-B	2				
NAVS	B0/1	Ground Based Augmentation Systems (GBAS)	2				
	B0/2	Satellite Based Augmentation Systems (SBAS)	2				
	B0/3	Aircraft Based Augmentation Systems (ABAS)	1	2020	CNS SG	PBN SG ATM SG AIM SG	
	B0/4	Navigation Minimal Operating Networks (Nav. MON)	1	2020	CNS SG	PBN SG	
	B1/1	Extended GBAS	2				
COMI	B0/1	Aircraft Communication Addressing and Reporting System (ACARS)	2				
	B0/2	Aeronautical Telecommunication Network/Open System Interconnection (ATN/OSI)	2				
	B0/3	VHF Data Link (VDL) Mode 0/A	2				
	B0/4	VHF Data Link (VDL) Mode 2 Basic	2				

	<b>B0/5</b>	Satellite communications (SATCOM) Class C Data	2				
	<b>B0/6</b>	High Frequency Data Link (HFDL)	2				
	<b>B0/7</b>	AMHS	1	2014	CNS SG		
	<b>B1/1</b>	Ground-Ground Aeronautical Telecommunication Network/Internet Protocol Suite (ATN/IPS)	1	2020	CNS SG		
	<b>B1/2</b>	VHF Data Link (VDL) Mode 2 Multi-Frequency	2				
	<b>B1/3</b>	SATCOM Class B Voice and Data	2				
	<b>B1/4</b>	Aeronautical Mobile Airport Communication System (AeroMACS) Ground-Ground	2				
<b>Information Threads</b>							
<b>DAIM</b>	<b>B1/1</b>	Provision of quality-assured aeronautical data and information	1	2020	AIM SG		It was B0, monitored earlier
	<b>B1/2</b>	Provision of digital Aeronautical Information Publication (AIP) data sets	2				
	<b>B1/3</b>	Provision of digital terrain data sets	1	2020	AIM SG		It was B0, monitored earlier
	<b>B1/4</b>	Provision of digital obstacle data sets	1	2020	AIM SG		It was B0, monitored earlier
	<b>B1/5</b>	Provision of digital aerodrome mapping data sets	2				
	<b>B1/6</b>	Provision of digital instrument flight procedure data sets	2				
	<b>B1/7</b>	NOTAM improvements	2				

<b>FICE</b>	<b>B0/1</b>	Automated basic inter facility data exchange (AIDC)	1	2014	CNS SG ATM SG		
<b>AMET</b>	<b>B0/1</b>	Meteorological observations products	1	2014	MET SG		
	<b>B0/2</b>	Meteorological forecast and warning products	1	2014	MET SG		
	<b>B0/3</b>	Climatological and historical meteorological products	1	2014	MET SG		
	<b>B0/4</b>	Dissemination of meteorological products	1	2014	MET SG	CNS SG	
	<b>B1/1</b>	Meteorological observations information	2				
	<b>B1/2</b>	Meteorological forecast and warning information	2				
	<b>B1/3</b>	Climatological and historical meteorological information	2				
	<b>B1/4</b>	Dissemination of meteorological information	2				
<b>Operational Threads</b>							
<b>APTA</b>	<b>B0/1</b>	PBN Approaches (with basic capabilities)	1	2014	PBN SG	ATM SG AIM SG CNS SG	
	<b>B0/2</b>	PBN SID and STAR procedures (with basic capabilities)	1	2014	PBN SG	ATM SG AIM SG	
	<b>B0/3</b>	SBAS/GBAS CAT I precision approach procedures	2				

	<b>B0/4</b>	CDO (Basic)	1	2014	PBN SG	ATM SG	
	<b>B0/5</b>	CCO (Basic)	1	2014	PBN SG	ATM SG	
	<b>B0/6</b>	PBN Helicopter Point in Space (PinS) Operations	2				
	<b>B0/7</b>	Performance based aerodrome operating minima – Advanced aircraft	1	2020	ATM SG PBN SG	AIM SG	
	<b>B0/8</b>	Performance based aerodrome operating minima – Basic aircraft	2				
	<b>B1/1</b>	PBN Approaches (with advanced capabilities)	2				
	<b>B1/2</b>	PBN SID and STAR procedures (with advanced capabilities)	2				
	<b>B1/3</b>	Performance based aerodrome operating minima – Advanced aircraft with SVGS	2				
	<b>B1/4</b>	CDO (Advanced)	2				
	<b>B1/5</b>	CCO (Advanced)	2				
<b>B0-FRTO</b>	<b>B0/1</b>	Direct routing (DCT)	2				
	<b>B0/2</b>	Airspace planning and Flexible Use of Airspace (FUA)	1	2014	ATM SG	AIM SG	
		Level 1 Strategic	1	2014	ATM SG	AIM SG	

		Airspace planning and Flexible Use of Airspace (FUA) Level 2	1	2014	ATM SG	AIM SG	
	<b>B0/3</b>	Pre-validated and coordinated ATS routes to support flight and flow	2				
	<b>B0/4</b>	Basic conflict detection and conformance monitoring	1	2014	ATM SG	CNS SG	
	<b>B1/1</b>	Free Route Airspace (FRA)	2				
	<b>B1/2</b>	Required Navigation Performance (RNP) routes	2				
	<b>B1/3</b>	Advanced Flexible Use of Airspace (FUA) and management of real time airspace data	2				
	<b>B1/4</b>	Dynamic sectorization	2				
	<b>B1/5</b>	Enhanced Conflict Detection Tools and Conformance Monitoring	2				
	<b>B1/6</b>	Multi-Sector Planning	2				
	<b>B1/7</b>	Trajectory Options Set (TOS)	2				
<b>NOPS</b>	<b>B0/1</b>	Initial integration of collaborative airspace management with air traffic flow management	1	2015	ATM SG		
	<b>B0/2</b>	Collaborative Network Flight Updates	2				

	<b>B0/3</b>	Network Operation Planning basic features	2				
	<b>B0/4</b>	Initial Airport/ATFM slots and A-CDM Network Interface	2				
	<b>B0/5</b>	Dynamic ATFM slot allocation	2				
	<b>B1/1</b>	Short Term ATFM measures	2				
	<b>B1/2</b>	Enhanced Network Operations Planning	2				
	<b>B1/3</b>	Enhanced integration of Airport operations planning with network operations planning	2				
	<b>B1/4</b>	Dynamic Traffic Complexity Management	2				
	<b>B1/5</b>	Full integration of airspace management with air traffic flow management	2				
	<b>B1/6</b>	Initial Dynamic Airspace configurations	2				
	<b>B1/7</b>	Enhanced ATFM slot swapping	2				
	<b>B1/8</b>	Extended Arrival Management supported by the ATM Network function	2				
	<b>B1/9</b>	Target Times for ATFM purposes	2				

	<b>B1/10</b>	Collaborative Trajectory Options Program (CTOP)	2				
<b>ACAS</b>	<b>B1/1</b>	ACAS Improvements	1	2014	ATM SG CNS SG		It was B0, monitored earlier
<b>SNET</b>	<b>B0/1</b>	Short Term Conflict Alert (STCA)	1	2017	ATM SG	CNS SG	
	<b>B0/2</b>	Minimum Safe Altitude Warning (MSAW)	1	2017	ATM SG	CNS SG	
	<b>B0/3</b>	Area Proximity Warning (APW)	1	2020	ATM SG	CNS SG	
	<b>B0/4</b>	Approach Path Monitoring (APM)	2				
	<b>B1/1</b>	Enhanced STCA with aircraft parameters	2				
	<b>B1/2</b>	Enhanced STCA in complex TMA	2				
<b>SURF</b>	<b>B0/1</b>	Basic ATCO tools to manage traffic during ground operations	1	2014	ASPIG	ATM SG CNS SG	
	<b>B0/2</b>	Comprehensive situational awareness of surface operations	1	2014	ASPIG	ATM SG CNS SG	
	<b>B0/3</b>	Initial ATCO alerting service for surface operations	1	2020	ASPIG	ATM SG CNS SG	
	<b>B1/1</b>	Advanced features using visual aids to support traffic management during ground operations	2		ASPIG	ATM SG CNS SG	

	<b>B1/2</b>	Comprehensive pilot situational awareness on the airport surface	2		ASPIG	ATM SG CNS SG	
	<b>B1/3</b>	Enhanced ATCO alerting service for surface operations	2		ASPIG	ATM SG CNS SG	
	<b>B1/4</b>	Routing service to support ATCO surface operations management	2		ASPIG	ATM SG CNS SG	
	<b>B1/5</b>	Enhanced vision systems for taxi operations	2		ASPIG	ATM SG CNS SG	
<b>ACDM</b>	<b>B0/1</b>	Airport CDM Information Sharing (ACIS)	1	2014	ASPIG	CNS SG, AIM SG, ATM SG	
	<b>B0/2</b>	Integration with ATM Network function	1	2014	ASPIG	CNS SG, AIM SG, ATM SG	
	<b>B1/1</b>	Airport Operations Plan (AOP)	1	2020	ASPIG	CNS SG, AIM SG, ATM SG	
	<b>B1/2</b>	Airport Operations Centre (APOC)	2		ASPIG	CNS SG, AIM SG, ATM SG	
<b>GADS</b>	<b>B1/1</b>	Aircraft Tracking	2				
	<b>B1/2</b>	Contact directory service	1	2020	CNS ATM		
<b>RSEQ</b>	<b>B0/1</b>	Arrival Management	1	2020	ASPIG ATM	CNS SG	
	<b>B0/2</b>	Departure Management	2				
	<b>B0/3</b>	Point merge	2				
	<b>B1/1</b>	Extended arrival metering	2				



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