

Relação do Planejamento do DECEA X ASBU

INFORMAÇÃO								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B0	AMET	AMET-B0/1	Meteorological observations products	2013	PFF015	MET04006	DECEA	2021
		AMET-B0/2	Meteorological forecast and warning products	2013	PFF015	MET04006	DECEA	2021
		AMET-B0/3	Climatological and historical meteorological products	2013	PFF015	MET04003	ICEA	2021
		AMET-B0/4	Dissemination of meteorological products	2013	PFF015	MET04001	DECEA	2021
B1		AMET-B1/1	Meteorological observations information	2019	PFF015	MET04001 MET05014 MET02015 MET02012	DECEA	2021 2023 2027 2025
		AMET-B1/2	Meteorological forecast and warning information	2019	PFF015	MET04001 MET05014 MET02015 MET02012	DECEA/CISCEA	2021 2023 2027 2025
		AMET-B1/3	Climatological and historical meteorological information	2019	PFF015	MET02011 MET04003	ICEA	2020 2021
		AMET-B1/4	Dissemination of meteorological information	2019	PFF015	MET04001	DECEA	2021
B2		AMET-B2/1	Meteorological observations information	2025	PFF015	MET02015	DECEA	2027
		AMET-B2/2	Meteorological forecast and warning information	2025	PFF015	MET02015	DECEA	2030
		AMET-B2/3	Climatological and historical meteorological information	2025	ASD	ASD	ICEA	ASD
		AMET-B2/4	Meteorological information service in SWIM	2025	PFF015	MET02015	DECEA	2030
B3		AMET-B3/1	Meteorological observations information	2031	PFF015	MET02015	DECEA	2033
		AMET-B3/2	Meteorological forecast and warning information	2031	PFF015	MET02015	DECEA	2033
		AMET-B3/3	Climatological and historical meteorological information	2031	ASD	ASD	ICEA	ASD
		AMET-B3/4	Meteorological information service in SWIM	2031	PFF015	MET02015	DECEA	2033

Relação Planejamento do DECEA X ASBU

INFORMAÇÃO								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B4		AMET-B4/1	Meteorological observations information	ASD	ASD	ASD	ASD	ASD
		AMET-B4/2	Meteorological forecast and warning information	ASD	ASD	ASD	ASD	ASD
		AMET-B4/3	Climatological and historical meteorological information	ASD	ASD	ASD	ASD	ASD
		AMET-B4/4	Meteorological information service in SWIM	ASD	ASD	ASD	ASD	ASD
B1	DAIM	DAIM-B1/1	Provision of quality-assured aeronautical data and information	2018	PFF017	ASD02008 ASD02009	SDOP ICA PAME-RJ	2032 2019
						ASD03004 ASD03005 ASD07002 ATM99064 CAR04015 CAR04033 CAR99002 CAR99009 LOG10033		2032
		DAIM-B1/2	Provision of digital Aeronautical Information Publication (AIP) data sets	2018	PFF017	ASD02009	SDOP CISCEA ICA PAME-RJ	2019
						ASD03004 ASD03005 ASD07002		2030
		DAIM-B1/3	Provision of digital terrain data sets	2018	PFF017	CAR04015 CAR99002	CISCEA ICA	2023
		DAIM-B1/4	Provision of digital obstacle data sets	2018	PFF017	CAR04015 CAR99002	CISCEA ICA	2023
		DAIM-B1/5	Provision of digital aerodrome mapping data sets	2018-2019	PFF017	CAR99002	CISCEA	2023
		DAIM-B1/6	Provision of digital instrument flight procedure data sets	2018	PFF017	NA	ICA	2030
		DAIM-B1/7	NOTAM improvements	2018-2019	PFF017	ATM99064	ICA	2027
B2		DAIM-B2/1	Dissemination of aeronautical information in a SWIM environment	2018-2025	PFF017	NA	ICA	2028
		DAIM-B2/2	Daily Airspace Management information to support flight and flow	2025	NA	NA	ICA	2030

Relação Planejamento do DECEA X ASBU

INFORMAÇÃO								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
		DAIM-B2/3	Aeronautical information to support higher airspace operations	2025	PFF023	NA	ICA	2030
		DAIM-B2/4	Aeronautical information requirements tailored to UTM	2025	ASD	ASD	ICA	ASD
		DAIM-B2/5	NOTAM replacement	2025	PFF017	ASD	ICA	ASD
B0	FICE	FICE-B0/1	Automated basic inter facility data exchange (AIDC)	2013	PFF023	NA	SDOP/CISCEA	2027
B2		FICE-B2/1	Planning Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/2	Filing Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/3	Trial Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/4	Flight Data Request Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/5	Notification Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/6	Publication Service	2013-2020-2022-2024	PFF023	ASD	SDOP/CISCEA	2030
		FICE-B2/7	Flight information management service for higher airspace operations	2013-2018-2024	PFF023	ASD	SDOP/CISCEA	2032
		FICE-B2/8	Flight information management service for low-altitude operations	2013-2018-2020-2024	PFF023	ASD	SDOP/CISCEA	2034
		FICE-B2/9	Flight information management support for inflight re-planning	2013-2024-2025	PFF023	ASD	SDOP/CISCEA	2034
B3		FICE-B3/1	Flight information management services for enhanced trajectory operations	2013-2031	PFF023	ASD	SDOP/CISCEA	2034
B4		FICE-B4/1	Integrated flight information management system for end-to-end global flight planning	NA	PFF023	ASD	SDOP/CISCEA	ASD
		FICE-B4/2	Real-Time Participation of operators in flight information	NA	PFF023	ASD	SDOP/CISCEA	ASD
B2	SWIM	SWIM-B2/1	Information service provision	2018-2023	PFF026	ASD	SDTE-SDOP	2029
		SWIM-B2/2	Information service consumption	2018-2023	PFF026	ASD	SDTE-SDOP	2030

Relação Planejamento do DECEA X ASBU

INFORMAÇÃO								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
		SWIM-B2/3	SWIM registry	2023	PFF026	PROTÓTIPO	ICEA-SDTE	2025
		SWIM-B2/4	Air/Ground SWIM for non-safety critical information	2023-2025	PFF026	ASD	SDTE-SDOP	2030
		SWIM-B2/5	Global SWIM processes	2021-2025	PFF026	ASD	SDTE-SDOP	2031
B3		SWIM-B3/1	Air/Ground SWIM for safety critical information	2023-2031	PFF026	ASD	SDTE-SDOP	2034

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B1	ACAS	ACAS-B1/1	ACAS Improvements	2008-2012-2014-2015	NA	NA	NA	NA
B2		ACAS-B2/1	New collision avoidance system	2018-2020-2022	NA	NA	NA	NA
		ACAS-B2/2	New collision avoidance capability as part of an overall detect and avoid system for RPAS	2020-2022-2024	PFF019	ATM98016	DECEA-EMAER	2028
B0	ACDM	ACDM-B0/1	Airport CDM Information Sharing (ACIS)	2013	PFF006	ATM99058	SDOP-CISCEA	2024
		ACDM-B0/2	Integration with ATM Network function	2013	ASD	ASD	SDOP	ASD
B2		ACDM-B2/1	Airport Operations Plan (AOP)	2019-2025	ASD	ASD	SDOP	ASD
		ACDM-B2/2	Airport Operations Centre (APOC)	2019- 2025	ASD	ASD	SDOP	ASD
		ACDM-B2/3	Total Airport Management (TAM)	2024-2025	ASD	ASD	SDOP	ASD
B3		ACDM-B3/1	Full integration of ACDM and TAM in TBO	2020-2031	ASD	ASD	SDOP	ASD
B0		APTA	APTA-B0/1	PBN Approaches (with basic capabilities)	2013	PROCAR	NA	SDOP-ICA
	APTA-B0/2		PBN SID and STAR procedures (with basic capabilities)	2013	PROCAR	NA	SDOP-ICA	2015
	APTA-B0/3		SBAS/GBAS CAT I precision approach procedures	2013	NA	NA	NA	NA
	APTA-B0/4		CDO (Basic)	2013	PFF003	NA	SDOP-ICA	2017
	APTA-B0/5		CCO (Basic)	2013	PFF003	NA	SDOP-ICA	2017
	APTA-B0/6		PBN Helicopter Point in Space (PinS) Operations	2013-2019	PROCAR	NA	SDOP-ICA	2024
	APTA-B0/7		Performance based aerodrome operating minima – Advanced aircraft	2013	PROCAR	NA	GEPEA	2027
	APTA-B0/8		Performance based aerodrome operating minima – Basic aircraft	2013	PROCAR	NA	GEPEA	2027

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B1		APTA-B1/1	PBN Approaches (with advanced capabilities)	2019	PROCAR	NA	ICA	2024
		APTA-B1/2	PBN SID and STAR procedures (with advanced capabilities)	2019	PROCAR	NA	ICA	2028
		APTA-B1/4	CDO (Advanced)	2019	PROCAR	NA	ICA	2020
		APTA-B1/5	CCO (Advanced)	2019	PROCAR	NA	ICA	2020
B2		APTA-B2/1	GBAS CAT II/III precision approach procedures	2025	NA	NA	NA	NA
		APTA-B2/2	Simultaneous operations to parallel runways	2019-2020	PFF003	NA	ICA	2022
		APTA-B2/3	PBN Helicopter Steep Approach Operations	2013-2019-2022	NA	NA	NA	2022
		APTA-B2/4	Performance based aerodrome operating minima – Advanced aircraft with SVGS	2013-2024	GEPEA	ASD	SDOP	2027
B3		APTA-B3/1	Parallel approaches without vertical guidance	2021-2022-2026	NA	ASD	ASD	ASD
		APTA-B3/2	Implementation of A-RNP to support non-complex simultaneous independent parallel approaches	2022-2026	NA	ASD	ASD	ASD
B1	CSEP	CSEP-B1/1	Basic airborne situational awareness during flight operations (AIRB)	2013-2015	NA	NA	NA	NA
		CSEP-B1/2	Visual Separation on Approach (VSA)	2013-2015-2016	ASD	ASD	SDOP	ASD
		CSEP-B1/3	Performance Based Longitudinal Separation Minima	2019	ASD	ASD	SDOP	ASD
		CSEP-B1/4	Performance Based Lateral Separation Minima	2019	ASD	ASD	SDOP	ASD
B2		CSEP-B2/1	Interval Management (IM) Procedure	2014-2019-2025	ASD	ASD	ASD	ASD
		CSEP-B2/2	Cooperative separation at low altitudes	2025	ASD	ASD	SDOP-ICA-CGNA-REGIONAIS	ASD
		CSEP-B2/3	Cooperative separation at higher airspace	2025	PFF023	ASD	SDOP	ASD

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B3		CSEP-B3/1	Interval Management (IM) Procedure with complex geometries	NIL	ASD	ASD	ASD	ASD
		CSEP-B3/2	Remain Well Clear (RWC) functionality for UAS/RPAS	NIL	PFF019	ATM02039	SDOP	2028
B4		CSEP-B4/1	Airborne separation	NIL	ASD	ASD	SDOP	ASD
B1	DATS	DATS-B1/1	Remotely Operated Aerodrome Air Traffic Services	2019	PFF023	ATM07005 ATM07200 ATM11003	DECEA-CISCEA	2021 2024
B0	FRTO	FRTO-B0/1	Direct routing (DCT)	2013	PFF005	NA	SDOP-CGNA	2022
		FRTO-B0/2	Airspace planning and Flexible Use of Airspace (FUA)	2013	PFF005	NA	SDOP-CGNA	2027
		FRTO-B0/3	Pre-validated and coordinated ATS routes to support flight and flow	2013	GEPEA	NA	SDOP-ICA-CGNA	2027
		FRTO-B0/4	Basic conflict detection and conformance monitoring	2013	GEPEA	NA	SDOP	2027
B1		FRTO-B1/1	Free Route Airspace (FRA)	2019	GEPEA	NA	SDOP-ICA-CGNA	2028
		FRTO-B1/2	Required Navigation Performance (RNP) routes	2019	GEPEA	NA	SDOP-ICA-CGNA	2025
		FRTO-B1/3	Advanced Flexible Use of Airspace (FUA) and management of real time airspace data	2019	GEPEA	NA	SDOP-CGNA	2030
		FRTO-B1/4	Dynamic sectorization	2019	GEPEA	NA	SDOP-ICA-CGNA	2030
		FRTO-B1/5	Enhanced Conflict Detection Tools and Conformance Monitoring	2019	GEPEA	NA	SDOP	2030
		FRTO-B1/6	Multi-Sector Planning	2019	GEPEA	NA	SDOP-ICA-CGNA	ASD
		FRTO-B1/7	Trajectory Options Set (TOS)	2019	GEPEA	NA	SDOP-ICA-CGNA	ASD
B2		FRTO-B2/1	Local components of integrated ATFM and ATC Planning function (INAP)	2025	GEPEA	NA	SDOP-ICA-CGNA	ASD
		FRTO-B2/2	Local components of Dynamic Airspace Configurations (DAC)	2025	GEPEA	NA	SDOP-ICA-CGNA	ASD

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
		FRTO-B2/3	Large Scale Cross Border Free Route Airspace (FRA)	2025	GEPEA	NA	SDOP-ICA-CGNA	ASD
		FRTO-B2/4	Enhanced Conflict Resolution Tools	2025	GEPEA	NA	SDOP	ASD
B1	GADS	GADS-B1/1	Aircraft Tracking	2018	NA	NA	OPR ACFT ANAC DECEA-RCC	ASD
		GADS-B1/2	Operational Control Directory	2018	NA	NA	DECEA-RCC	2025
							ANAC	ASD
							OPR ACFT	ASD
B2		GADS-B2/1	Location of an aircraft in Distress	2018-2023	NA	NA	DECEA	2025
		GADS-B2/2	Distress tracking information management	2021	NA	NA	DECEA-CINDACTAs	2025
							ANAC-OPR ACFT	ASD
		GADS-B2/3	Post Flight Localization	2019-2021	NA	NA	DECEA-CINDACTAs	ASD
		GADS-B2/4	Flight Data Recovery	2021-2025	NA	NA	ANAC-OPR ACFT	ASD
							ANAC-OPR ACFT	2022
B0	NOPS	NOPS-B0/1	Initial integration of collaborative airspace management with air traffic flow management	2013	GEPEA	NA	SDOP-CGNA	2028
		NOPS-B0/2	Collaborative Network Flight Updates	2008	PFF006	ATM99058	CGNA	2027
		NOPS-B0/3	Network Operation Planning basic features	2012-2013	NA	NA	CGNA	2018
		NOPS-B0/4	Initial Airport/ATFM slots and A-CDM Network Interface	2010-2012-2013	NA	ATM99058	CGNA	2027
		NOPS-B0/5	Dynamic ATFM slot allocation	2000	NA	ATM99046	CGNA	2031
B1		NOPS-B1/1	Short Term ATFM measures	2014-2019	NA	ATM99046	CGNA	2031

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
		NOPS-B1/2	Enhanced Network Operations Planning	2019	NA	NA	NA	NA
		NOPS-B1/3	Enhanced integration of Airport operations planning with network operations planning	2019	NA	ATM99058	CGNA	2027
		NOPS-B1/4	Dynamic Traffic Complexity Management	2014-2016-2018-2019	NA	ATM99046	CGNA	2031
		NOPS-B1/5	Full integration of airspace management with air traffic flow management	2019	NA	ATM99046	CGNA	2031
		NOPS-B1/6	Initial Dynamic Airspace configurations	2016-2018-2019	NA	NA	NA	NA
		NOPS-B1/7	Enhanced ATFM slot swapping	2019	NA	NA	NA	NA
		NOPS-B1/8	Extended Arrival Management supported by the ATM Network function	2017	NA	NA	NA	NA
		NOPS-B1/9	Target Times for ATFM purposes	2018-2019	NA	ATM99058	CGNA	2027
		NOPS-B1/10	Collaborative Trajectory Options Program (CTOP)	2019	ASD	ASD	ASD	ASD
		NOPS-B2/1	Optimised ATM Network Services in the initial TBO context	2022-2024-2025	NA	VIG0215	CGNA	2025
B2		NOPS-B2/2	Enhanced dynamic airspace configuration	2024	NA	VIG0215	CGNA	2025
		NOPS-B2/3	Collaborative Network Operation Planning	2025	NA	NA	NA	NA
		NOPS-B2/4	Multi ATFM slot swapping and Airspace Users priorities	2025	NA	VIG0215	CGNA	2025
		NOPS-B2/5	Further airport integration within Network Operation Planning	2016-2025	NA	NA	NA	NA
		NOPS-B2/6	ATFM adapted for cross-border Free Route Airspace (FRA)	2016-2024-2025	NA	NA	CGNA	2024
		NOPS-B2/7	UTM Network operations	2025	PFF019	ATM98016	DECEA	2031
		NOPS-B2/8	High upper airspace network operations	2025	PFF023	ASD	ASD	ASD

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B3		NOPS-B3/1	ATM Network Services in full TBO context	NA	NA	VIG0215	CGNA	2025
		NOPS-B3/2	Cooperative Network Operations Planning	NA	ASD	ASD	ASD	ASD
		NOPS-B3/3	Innovative airspace architecture	NA	ASD	ASD	ASD	ASD
B0	OPFL	OPFL-B0/1	In Trail Procedure (ITP)	NA	ASD	ASD	SDOP	ASD
B1		OPFL-B1/1	Climb and Descend Procedure (CDP)	NA	ASD	ASD	SDOP	ASD
B2		OPFL-B2/1	Separation minima using ATS surveillance systems where VHF voice communications are not available	2020	ASD	ASD	SDOP	ASD
B3		OPFL-B3/1	Helicopter RNP 0.3 Terminal and En-Route Operations	2021-2022-2028	ASD	ASD	SDOP	ASD
		OPFL-B3/2	Expansion of upper limit of the Reduced Vertical Separation Minima (RVSM) band of flight levels	2028	ASD	ASD	SDOP	ASD
		OPFL-B3/3	Target-to-target separations using Space-based ADS-B data	2024	ASD	ASD	SDOP	ASD
B0	RSEQ	RSEQ-B0/1	Arrival Management	2013	NA	AMAN	SDOP	2026
		RSEQ-B0/2	Departure Management	2013	NA	NA	SDOP-CGNA	NA
		RSEQ-B0/3	Point merge	2013	PFF003	TMA-SP NEO	SDOP-ICA	2021
B1		RSEQ-B1/1	Extended arrival metering	2019	NA	AMAN	SDOP	NA
B2		RSEQ-B2/1	Integration of arrival and departure management	2013-2019-2025	ASD	ASD	ASD	ASD
B3		RSEQ-B3/2	Arrival management in terminal airspace with multiple airports	2019-2026	ASD	ASD	ASD	ASD
		RSEQ-B3/3	Increased utilization of runway capacity by improved real-time runway scheduling	NA	ASD	ASD	ASD	ASD
		RSEQ-B3/4	Improved operator fleet management in runway sequencing	NA	NA	NA	NA	NA

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B4		RSEQ-B4/1	Departure management in terminal airspace from multiple airports	2032	ASD	ASD	ASD	ASD
		RSEQ-B4/2	Extended arrival management supporting overlapping operations into multiple airports	2032	ASD	ASD	ASD	ASD
B0	SNET	SNET-B0/1	Short Term Conflict Alert (STCA)	2013	NA	SAGITARIO	SDOP-CISCEA	2010
		SNET-B0/2	Minimum Safe Altitude Warning (MSAW)	2013	NA	SAGITARIO	SDOP-CISCEA	2024
		SNET-B0/3	Area Proximity Warning (APW)	2013	NA	SAGITARIO	SDOP-CISCEA	2024
		SNET-B0/4	Approach Path Monitoring (APM)	2013	NA	SAGITARIO	SDOP-CISCEA	2024
B1		SNET-B1/1	Enhanced STCA with aircraft parameters	2013-2019	ASD	ASD	ASD	ASD
		SNET-B1/2	Enhanced STCA in complex TMAs	2013-2019	ASD	ASD	ASD	ASD
B0	SURF	SURF-B0/1	Basic ATCO tools to manage traffic during ground operations	NA	ASD	TATIC	SDOP-CISCEA	2008
		SURF-B0/2	Comprehensive situational awareness of surface operations	NA	ASD	ASD	SDOP-CISCEA	ASD
		SURF-B0/3	Initial ATCO alerting service for surface operations	NA	ASD	ASD	SDOP-CISCEA	ASD
B1		SURF-B1/1	Advanced features using visual aids to support traffic management during ground operations	NA	ASD	ASD	OPR AD	ASD
		SURF-B1/2	Comprehensive pilot situational awareness on the airport surface	NA	ASD	ASD	OPR AD	ASD
		SURF-B1/3	Enhanced ATCO alerting service for surface operations	NA	ASD	ASD	SDOP-CISCEA	ASD
		SURF-B1/4	Routing service to support ATCO surface operations management	NA	ASD	ASD	SDOP-CISCEA	ASD
		SURF-B1/5	Enhanced vision systems for taxi operations	NA	NA	NA	OPR ACFT	NA
B2		SURF-B2/1	Enhanced surface guidance for pilots and vehicle drivers	NA	NA	NA	OPR AD-OPR ACFT	NA

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
		SURF-B2/2	Comprehensive vehicle driver situational awareness on the airport surface	NA	NA	NA	OPR AD-OPR ACFT	NA
		SURF-B2/3	Conflict alerting for pilots for runway operations	NA	NA	NA	OPR AD-OPR ACFT	NA
B3		SURF-B3/1	Optimization of surface traffic management in complex situations	NA	ASD	ASD	ASD	ASD
B0	TBO	TBO-B0/1	Introduction of time-based management within a flow centric approach	NA	PFF023	ASD	SDOP	ASD
B1		TBO-B1/1	Initial Integration of time-based decision making processes	NA	PFF023	ASD	SDOP	ASD
B2		TBO-B2/1	Pre-departure trajectory synchronization within a flight centric and network performance approach	NA	PFF023	ASD	SDOP	ASD
		TBO-B2/2	Extended time-based management across multiple FIRs for active flight synchronization	NA	PFF023	ASD	SDOP	ASD
B3		TBO-B3/1	Network based on-demand synchronization of trajectory based operations	NA	PFF023	ASD	SDOP	ASD
B4		TBO-B4/1	Total airspace management performance system	NA	PFF023	ASD	SDOP	ASD
B2	WAKE	WAKE-B2/1	Wake turbulence separation minima based on 7 aircraft groups	2013-2019-2020	ASD	ASD	SDOP	2028
		WAKE-B2/2	Time based wake separation minima for final approach	2013-2024	ASD	ASD	SDOP	2028
B3		WAKE-B3/1	Dependent parallel approaches	2013-2019-2028	ASD	ASD	SDOP	ASD
		WAKE-B3/2	Independent segregated parallel operations	2013-2019-2028	ASD	ASD	SDOP	ASD
		WAKE-B3/3	Wake turbulence separation minima based on leader/follower static pairs-wise	2013-2030	ASD	ASD	SDOP	ASD
		WAKE-B3/4	Enhanced dependent parallel approaches	2013-2030	ASD	ASD	SDOP	ASD
		WAKE-B3/5	Enhanced independent segregated parallel operations	2013-2030	ASD	ASD	SDOP	ASD
		WAKE-B3/6	Time based wake separation minima for departure based on leader/follower static pair-wise	2030	ASD	ASD	SDOP	ASD

Relação Planejamento do DECEA X ASBU

OPERACIONAL								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B4		WAKE-B3/7	Time based dependent parallel approaches	2013-2024-2030	ASD	ASD	SDOP	ASD
		WAKE-B3/8	Time based independent segregated parallel operations	2013-2024-2030	ASD	ASD	SDOP	ASD
		WAKE-B4/1	En-route Wake Encounter Ground based Prediction	NIL	ASD	ASD	SDOP	ASD
		WAKE-B4/2	En-Route Wake Encounter on-board flight management/mitigation	NIL	ASD	ASD	SDOP	ASD

Relação Planejamento do DECEA X ASBU

TECNOLOGIA								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B0	ASUR	ASUR-B0/1	Automatic Dependent Surveillance – Broadcast (ADS-B)	2008	PFF011	VIG02016	CISCEA	2026
		ASUR-B0/2	Multilateration cooperative surveillance systems (MLAT)	2008	ASD	ASD	ASD	ASD
		ASUR-B0/3	Cooperative Surveillance Radar Downlink of Aircraft Parameters (SSR-DAPS)	2008	ASD	ASD	ASD	ASD
B1		ASUR-B1/1	Reception of aircraft ADS-B signals from space (SB ADS-B)	2008-2015-2018	PFF011	VIG02019	CISCEA	2022
B2		ASUR-B2/1	Evolution of ADS-B and Mode S	2008-2022	ASD	ASD	ASD	ASD
		ASUR-B2/2	New community based surveillance system for airborne aircraft (low and higher airspace)	2024	PFF023	ASD	ASD	ASD
B3		ASUR-B3/1	New non-cooperative surveillance system for airborne aircraft (medium altitudes)	2031	ASD	ASD	ASD	ASD
B4		ASUR-B4/1	Further evolution of ADS-B and MLAT	2008-2032	ASD	ASD	ASD	ASD
B0	COMI	COMI-B0/1	Aircraft Communication Addressing and Reporting System (ACARS)	2013	NA	NA	DECEA	1998
		COMI-B0/2	Aeronautical Telecommunication Network/Open System Interconnection (ATN/OSI)	2013	PFF011	TEL02004 TEL02012 TEL02014 TEL02015 TEL99048 TEL08031	SDTE-CISCEA	2030
		COMI-B0/3	VHF Data Link (VDL) Mode 0/A	2013	NA	NA	DECEA	1998
		COMI-B0/4	VHF Data Link (VDL) Mode 2 Basic	2013	Concessão DATACOM	TEL02023	DECEA-SITA	2016
		COMI-B0/5	Satellite communications (SATCOM) Class C Data	2013	NA	NA	DECEA	2010
		COMI-B0/6	High Frequency Data Link (HFDL)	2013	NA	NA	NA	NA
		COMI-B0/7	ATS Message Handling System (AMHS)	2013	PFF042 PFF029	ATM99018 LOG07091 LOG07097 LOG07103	CISCEA-DECEA	2018 2022

Relação Planejamento do DECEA X ASBU

TECNOLOGIA								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B1		COMI-B1/1	Ground-Ground Aeronautical Telecommunication Network/Internet Protocol Suite (ATN/IPS)	2019	PFF029	LOG04020 LOG07091 LOG07097 LOG07103	DECEA	2003 2022
		COMI-B1/2	VHF Data Link (VDL) Mode 2 Multi-Frequency	2019	NA	NA	NA	NA
		COMI-B1/3	SATCOM Class B Voice and Data	2019	NA	NA	NA	NA
		COMI-B1/4	Aeronautical Mobile Airport Communication System (AeroMACS) Ground-Ground	2017	ASD	ASD	ASD	ASD
B2		COMI-B2/1	Air-Ground ATN/IPS	2019-2025	PFF011	NA	ASD	ASD
		COMI-B2/2	Aeronautical Mobile Airport Communication System (AeroMACS) aircraft mobile connection	2031	NA	NA	OPR AD	NA
		COMI-B2/3	Links meeting requirements for non-safety critical communication	2025	ASD	ASD	ASD	ASD
B3		COMI-B3/1	VHF Data Link (VDL) Mode-2 Connectionless	2025-2030	ASD	ASD	ASD	ASD
		COMI-B3/2	SATCOM Class A voice and data	2031	ASD	ASD	ASD	ASD
		COMI-B3/3	L-band Digital Aeronautical Communication System (LDACS)	NIL	ASD	ASD	ASD	ASD
		COMI-B3/4	Links meeting requirements for safety critical communication	2031	ASD	ASD	ASD	ASD
B0	COMS	COMS-B0/1	CPDLC (FANS 1/A & ATN B1) for domestic and procedural airspace	2002-2007-2013	PFF010	TEL02010	SDOP-CISCEA	2021 2024
		COMS-B0/2	ADS-C (FANS 1/A) for procedural airspace	2002-2013	NA	NA	SDOP-CISCEA	2009
B1		COMS-B1/1	PBCS approved CPDLC (FANS 1/A+) for domestic and procedural airspace	2007-2013-2016-2019	PFF007	RHU02003	SDOP-CISCEA	2026 2027
		COMS-B1/2	PBCS approved ADS-C (FANS 1/A+) for procedural airspace	2007-2013-2016	PFF007	RHU02003	SDOP-CISCEA	2026 2027
		COMS-B1/3	SATVOICE (incl. routine communications) for procedural airspace	2013-2016-2019	ASD	ASD	SDOP-CISCEA	ASD

Relação Planejamento do DECEA X ASBU

TECNOLOGIA								
BLOCO	TEMA	ELEMENTO		ANO HAB.	COD. EMP. / GRUPO	COD. PROJETO	RESPONSÁVEL	ANO
B2		COMS-B2/1	PBCS approved CPDLC (B2) for domestic and procedural airspace	2013-2016-2019-2024	ASD	ASD	SDOP-CISCEA	ASD
		COMS-B2/2	PBCS Approved ADS-C (B2) for domestic and procedural airspace	2013-2016-2019-2024	ASD	ASD	SDOP-CISCEA	ASD
		COMS-B2/3	PBCS approved SATVOICE (incl. routine communications) for procedural airspace	2013-2024	ASD	ASD	SDOP-CISCEA	ASD
B3		COMS-B3/1	Extended CPDLC (B2 incl. Adv-IM and dynamic RNP) for dense and complex airspace	2013-2023-2025-2028	ASD	ASD	ASD	ASD
		COMS-B3/2	Extended ADS-C (B2 incl. Adv-IM and dynamic RNP) for dense and complex airspace	2013-2023-2025-2028	ASD	ASD	ASD	ASD
B0	NAVS	NAVS-B0/1	Ground Based Augmentation Systems (GBAS)	2013	ASD	ASD	ASD	ASD
		NAVS-B0/2	Satellite Based Augmentation Systems (SBAS)	2013	NA	NA	NA	NA
		NAVS-B0/3	Aircraft Based Augmentation Systems (ABAS)	2013	NA	NA	OPR ACFT	NA
		NAVS-B0/4	Navigation Minimal Operating Networks (Nav. MON)	2013	PFF011	NAV03016	DECEA	2025
B1		NAVS-B1/1	Extended GBAS	2013-2019	NA	NA	NA	NA
B2		NAVS-B2/1	Dual Frequency Multi Constellation (DF MC) GBAS	2019-2025	PPCITA	NA	SDTE	2026
		NAVS-B2/2	Dual Frequency Multi Constellation (DF MC) SBAS	2019-2025	NA	NA	NA	NA
		NAVS-B2/3	Dual Frequency Multi Constellation (DF MC) ABAS	2019-2025	NA	NA	NA	NA