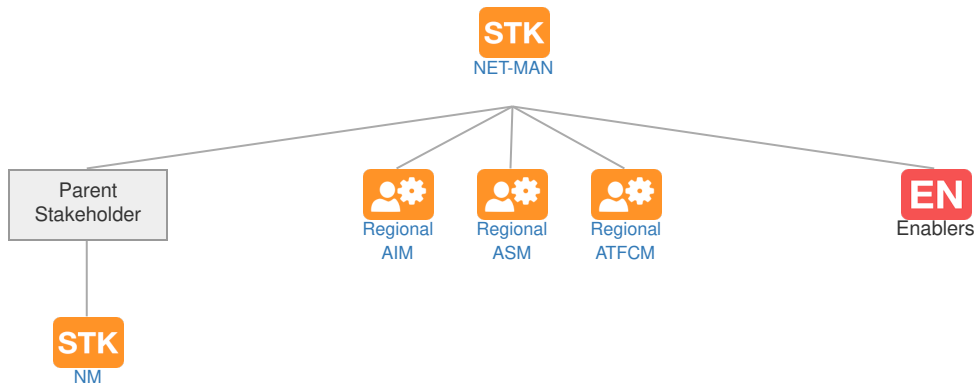# NET-MAN - Network Manager

At this stage of the work, only one stakeholder 'Network Manager' is considered until further definition by appropriate WPs. It includes the stakeholders in charge of the Regional network management, the one at sub-Regional level acting as point of contact within a FAB for coordination on DCB matters, and the one(s) in charge of the local capacity and traffic management.

Context

Related Elements

STK Parent Stakeholder

Title	Description	Related Elements
Network Manager	The impartial and competent body entrusted pursuant to (EU) No 970/2014 of 12 September 2014...	EN

STK Child Stakeholders: No associated data

EN Enablers

Code	Title	IOC	Related Elements	Analysis
AAMS-01	Automated impact of Hazard Zones	-	STK OI DS	Analysis
AAMS-02	Dynamic Airspace Configuration tools for the Integrated Network Working Position	31-03-2028	STK OI DS	Analysis
AAMS-06a	Airspace management system enhanced to generate and distribute planned airspace usage information(CIAM)	31-12-2008	STK OI	Analysis
AAMS-06c	Local ASM Tools to be updated to support Transmission of VPA-related data from local ASM tool to the NM	31-12-2016	STK OI DS PCP	Analysis
AAMS-08	Airspace management system enhanced to support improved collaborative airspace planning	31-12-2008	STK OI	Analysis
AAMS-09	Airspace management system enhanced to support the integrated European airspace planning process	-	STK OI	Analysis
AAMS-09a	NM systems enhanced to exchange static data and airspace usage data with ASM support systems in AIXM format	31-12-2014	STK OI DS PCP	Analysis
AAMS-10a	Initial airspace management system enhanced with commonly applied GAT/OAT handling	31-12-2019	STK OI DS	Analysis
AAMS-12	Airspace management system equipped with a method to achieve regional airspace coordination capability	31-12-2015	STK OI DS	Analysis
AAMS-13	ASM scenario management sub-system equipped with tools for assessing the impact of airspace changes on capacity	31-12-2026	STK OI DS	Analysis
AAMS-15	Scenario management sub-system equipped with tools to support pre-tactical CDM	31-12-2019	STK OI	Analysis
AAMS-16a	Airspace management functions equipped with tools able to deal with free-routing	31-12-2016	STK OI DS PCP	Analysis
AAMS-16b	Airspace management system equipped with tools able to deal with flexible use of airspace	31-12-2027	STK OI	Analysis
AAMS-17	adaptation of all AAMS sub-systems to the common ATM information model	31-12-2027	STK OI	Analysis
AAMS-18	Airspace management system enhanced to support the European-wide use of Military Training Area as part of the integrated European airspace planning process	-	STK OI	Analysis
AGSWIM-38	SWIM enabled services for AGDLGMS	31-12-2015	STK OI DS	Analysis
AIMS-06	Ground-Ground AIS provision to ASM	31-12-2019	STK OI DS PCP	Analysis
AIMS-07	Generation of pre-flight briefing information	31-12-2007	STK OI	Analysis
AIMS-07a	Generation of Enhanced Pre-flight Briefing based on digital data	31-12-2023	STK OI DS	Analysis

Source: European ATM Portal - **Report produced:** 29-09-2020 - **Date refresh:** 29-09-2020
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2019

Page 2 of 8

Code	Title	IOC	Related Elements	Analysis
AIMS-14	Set up a digital data chain to ensure the Aeronautical Information data provision into on-board avionic systems	31-10-2020	STK OI DS	Analysis
AIMS-16	Electronic Terrain and Obstacle Data (TOD)	31-12-2023	STK OI DS	Analysis
AIMS-20	Airspace Data Repository	31-12-2010	STK OI	Analysis
AIMS-21	Airspace management system enhanced for external user access to the airspace data repository	31-12-2008	STK OI	Analysis
AIMS-22	Airspace management functions enhanced to provide airspace status information	31-12-2007	STK OI DS	Analysis
AIMS-23	Enhanced digital data chain to ensure Aeronautical Information data provision to meet full 4D trajectory management requirements	31-12-2023	STK OI DS	Analysis
AIMS-24	Provide semantic analysis capabilities.	31-12-2026	STK OI	Analysis
APP ATC 148	System Support For Controlled Time of Arrival (CTA)	31-12-2022	STK OI DS	Analysis
CTE-N05	GNSS performance assessment system	31-12-2023	STK OI DS ⚙	Analysis
CTE-N06	Space Based Augmentation System (SBAS)	31-12-2020	STK OI DS ⚙	Analysis
CTE-S06	Composite Surveillance	-	STK OI DS	Analysis
ER APP ATC 149b	Air-Ground Datalink Exchange to Support i4D - ETA min/max	31-12-2022	STK OI DS	Analysis
ER APP ATC 149c	Air-Ground Datalink Exchange to Support i4D - Controlled Time of Arrival/Overflight (CTA/CTO)	-	STK OI DS	Analysis
GGSWIM-53	A common Aeronautical Information Conceptual Model (AICM)	31-12-2012	STK OI	Analysis
HUM-007	New communication and interaction patterns between stakeholders of airport operations linked to collaborative rolling AOP/NOP management.	31-12-2019	STK OI DS PCP 👤	Analysis
HUM-013	Tasks transfer from AOP stakeholders to APAMS	31-12-2023	STK OI 👤	Analysis
HUM-014	New interactions and communication patterns for the integration of landside process outputs into the A-CDM process.	31-12-2023	STK OI DS 👤	Analysis
HUM-015	New working methods for the integration of landside process outputs into the A-CDM process.	31-12-2023	STK OI DS 👤	Analysis
HUM-016	New working methods for the integration of the Airport Transit View (ATV) into the A-CDM process.	31-12-2022	STK OI DS 👤	Analysis
MIL-0103	Wing Operations Centre Mission Support System (including update/revision) of iMT	31-12-2027	STK OI DS	Analysis
MIL-0108	Exchange of specific MT data (ARES description) in standard format	31-12-2027	STK OI	Analysis
MIL-STD-04	Procedure to implement EUROAT rules.	30-10-2013	STK OI DS 📄	Analysis
NIMS-02	Provision , reception and processing of collaborative flight plan updates	31-12-2011	STK OI	Analysis
NIMS-03	Reception of DPI messages	31-12-2017	STK OI DS	Analysis
NIMS-04	ATFCM capacity planning sub-system enhanced to take into account dynamic sector shapes	31-12-2026	STK OI DS	Analysis
NIMS-06	Network information management system equipped with post-analysis tools for airport traffic	31-12-2017	STK OI	Analysis
NIMS-08	strategic and pre-tactical demand-capacity balancing evaluation, simulation and display tools	-	STK OI	Analysis
NIMS-09	Capacity planning and scenario management equipped with tool to assess the impact of requested flight level changes	31-12-2027	STK OI DS	Analysis

Code	Title	IOC	Related Elements	Analysis
NIMS-10	Capacity planning and scenario management equipped with sector management tool to assist ATCCs in defining sector configurations	31-12-2006	STK OI	Analysis
NIMS-12	Demand Capacity Balancing equipped with a tool to identify and arbitrate multiple imbalance and hotspots	30-08-2026	STK OI DS	Analysis
NIMS-13a	Capacity planning and scenario management equipped with tools to identify the possible re-routed flights/flows providing the best benefits	31-12-2010	STK OI	Analysis
NIMS-13b	Enhanced short term ATFM measures (STAM)	31-12-2019	STK OI DS PCP	Analysis
NIMS-13c	Full regional support of dDCB	01-04-2023	STK OI DS	Analysis
NIMS-14a	Demand Data Repository Phase I	31-12-2007	STK OI	Analysis
NIMS-14b	Demand Data Repository Phase II	31-12-2014	STK OI DS PCP	Analysis
NIMS-14c	Demand Data Repository Phase III	31-12-2027	STK OI	Analysis
NIMS-17	Provide assistance to flight planning	30-01-2009	STK OI	Analysis
NIMS-18	Flight Planning management sub-system enhanced to use the latest airspace information	30-01-2006	STK OI	Analysis
NIMS-19	Flight Planning management sub-system enhanced for AFUA	31-12-2023	STK OI	Analysis
NIMS-20	Provision, reception and processing of ATFCM flight progress messages	31-12-2011	STK OI	Analysis
NIMS-21a	Initial Flight Planning management enhanced to support 4D for Step 1	31-12-2016	STK OI DS PCP	Analysis
NIMS-21b	Flight Planning extended with eFPL Distribution service	01-07-2022	STK OI DS	Analysis
NIMS-22	Enhanced performance management sub-system	31-12-2018	STK OI DS	Analysis
NIMS-23	Capacity planning and scenario management equipped with tools integrating SB/MT information, to assist ATS in optimising the use of airport and airspace usable capacity	01-04-2023	STK OI DS	Analysis
NIMS-25	Integration of Airport CDM data into Network DCB sub-system	01-07-2022	STK OI DS PCP	Analysis
NIMS-27	Network DCB sub-system enhanced with improved accuracy of processing real-time data	31-12-2019	STK OI DS PCP	Analysis
NIMS-29	Network DCB sub-system enhanced for Network Operations Plan (NOP) preparation and dissemination	31-12-2010	STK OI DS PCP	Analysis
NIMS-30	ATFCM scenario management equipped with tools for assessing the impact of DAC and capacity changes on trajectory efficiency	31-12-2023	STK OI DS	Analysis
NIMS-31	B2B (Business to Business) Web Services - Flight Plan filing and management	31-12-2011	STK OI	Analysis
NIMS-32	B2B (Business to Business) Web Service eRAD and eAMI	31-12-2011	STK OI	Analysis
NIMS-33	Dedicated tools supporting Airport Slot Monitoring (e.g. Stanly, AMON)	31-12-2010	STK OI	Analysis
NIMS-34	Civil-Military performance measurement system	31-12-2011	STK OI	Analysis
NIMS-35	Flight Planning management sub-system enhanced to process improved OAT flight plans	31-12-2018	STK OI DS	Analysis
NIMS-37	Basic Complexity assessment tools	31-12-2019	STK OI DS PCP	Analysis
NIMS-38	Calculation and dissemination of the TTO & TTA	31-12-2019	STK OI DS PCP	Analysis
NIMS-39a	Enhancement of ETFMS	31-12-2017	STK OI DS	Analysis
NIMS-40	Use of FO trajectory and constraints in NM systems	31-12-2019	STK OI DS PCP	Analysis

Source: European ATM Portal - **Report produced:** 29-09-2020 - **Date refresh:** 29-09-2020

EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2019

Page 4 of 8

Code	Title	IOC	Related Elements	Analysis
NIMS-41	NM interface capable to integrate Airport impact assessment	31-12-2021	STK OI DS	Analysis
NIMS-42	NM systems enhanced to receive, process and display real-time tactical (ASM level III) airspace usage information	31-12-2016	STK OI DS PCP	Analysis
NIMS-43	Enhanced NM systems to process the Flight Object (FO) data related to the NM cluster including STAM, TTA and EFPL information	31-12-2021	STK OI	Analysis
NIMS-44	Evolution of NIMS to support management of UDPP, inclusion of user preferences and priority as part of SBT	31-12-2026	STK OI DS	Analysis
NIMS-45	Initial Flight Planning management enhanced to support initial Mission Trajectory	31-12-2018	STK OI DS	Analysis
NIMS-46	Integrated local DCB working position	31-12-2027	STK OI DS	Analysis
NIMS-48	Integrated Network Working Position (iNWP)	31-12-2027	STK OI DS	Analysis
NIMS-49	Multiple Constraint Resolver	01-04-2023	STK OI DS	Analysis
NIMS-50	Dynamic route finding and optimisation tool to enable optimal routes usage in the TMA	31-12-2026	STK OI DS	Analysis
NIMS-51	NM systems adaption to support the NPR concept	-	STK	Analysis
NIMS-52	Enhancement of ETFMS for including airport constraints	31-12-2023	STK OI DS	Analysis
NIMS-54	SID, STAR, TT, and Runway Configuration data applied in Initial Flight Plan Processing	31-12-2026	STK OI DS	Analysis
NIMS-55	Dynamic ATC LOAs Integration in NM trajectory	31-12-2026	STK OI DS	Analysis
NIMS-56	NM Interface for UDPP Impact assessment	31-08-2024	STK	Analysis
NIMS-57	Integration of PFP/eFPL processing into Traffic Demand Management	31-12-2024	STK OI DS	Analysis
PRO-001	FCM Procedures to incorporate information received from multiple sources into the NOP	31-12-2007	STK OI	Analysis
PRO-003	FCM Procedures to ensure that all partners are aware of decisions taken	31-12-2007	STK OI	Analysis
PRO-004	FCM Procedures to ensure that NOP is constantly updated to reflect all changes to the airspace and airspace users planned trajectories	30-01-2009	STK OI	Analysis
PRO-005	FCM Procedures to modify NOP in real-time in response to tactical changes to trajectories and airport/airspace capacities	31-12-2011	STK OI	Analysis
PRO-011	ASM Procedures to ensure that the change in airspace availability is promulgated through SWIM and reflected in the NOP	31-12-2019	STK OI DS PCP	Analysis
PRO-014	Procedures harmonised at pan-European level for the management of the Improved OAT FPL (flight plan filing, validation, acceptance and distribution)	31-12-2023	STK OI DS	Analysis
PRO-016	ASM Procedures for the design and promulgation of sectors and sector families based upon traffic patterns	31-12-2007	STK OI	Analysis
PRO-017	FCM Procedures to assist the Airspace User in selection of the most optimal trajectory	31-12-2011	STK OI	Analysis
PRO-022	FCM procedures for collaborating on SBT changes with Airspace Users	31-12-2019	STK OI DS PCP	Analysis
PRO-024	ASM Procedures related to real-time (tactical) ASM level III information exchange	31-12-2019	STK OI DS PCP	Analysis
PRO-028	Procedures to support AOP-NOP collaborative process	31-12-2019	STK OI DS PCP	Analysis

Code	Title	IOC	Related Elements	Analysis
PRO-033	FCM Procedures for systematically incorporating changes to capacity balance as revised information updates the NOP	31-12-2007	STK OI	Analysis
PRO-034	FCM Procedures for ensuring all concerned partners are notified about pending changes to the NOP	31-12-2007	STK OI	Analysis
PRO-035	FCM Procedures for on-line access/update to the NOP and notification of updates	31-12-2009	STK OI	Analysis
PRO-036	FCM Procedures for approval of slot swaps and updating the effected trajectories	31-12-2007	STK OI	Analysis
PRO-038	FCM Procedures to enable application of flow management techniques on traffic streams closer to real-time	31-12-2011	STK OI	Analysis
PRO-039	FCM Procedures for identifying the appropriate scenario from the catalogue of scenarios and initiating its implementation	31-12-2007	STK OI	Analysis
PRO-040	FCM Procedures for initiating dynamic sectorisation responses in collaboration with the ANSP	31-12-2007	STK OI	Analysis
PRO-041	FCM Procedures for ameliorating the consequences of a critical event developed in collaboration with the ANSP partners	31-12-2012	STK OI	Analysis
PRO-073a	Procedures to optimise the de-icing process within the constraints of the operational schedule, the optimal runway use and the local de-icing capacity.	31-12-2022	STK OI DS	Analysis
PRO-076	Procedures for the iSMT in the CDM process	-	STK OI DS	Analysis
PRO-077	Procedures facilitating iRMT management	31-12-2015	STK OI DS	Analysis
PRO-078	Procedures facilitating iRMT management in Trajectory Based Operations environment	-	STK OI	Analysis
PRO-079	Procedures for the calculation of trajectory profile and ARES geographical location taking MET data into account	-	STK OI	Analysis
PRO-092	FCM procedures for communicating refined plans to ANSP, Airspace Users and Airport Operators	31-12-2007	STK OI	Analysis
PRO-100	FCM procedures to allocate, monitor and update 4D targets for ATFCM purposes	-	STK OI DS	Analysis
PRO-118	ATC Procedures for use of CTA across several AoRs	31-12-2023	STK OI DS	Analysis
PRO-155	FCM Procedures for assessing demand/capacity vs. resources available based upon flexible airspace configurations	31-12-2023	STK OI	Analysis
PRO-182	Simulation Procedures Linked to Proactive Capacity Management	31-12-2007	STK OI	Analysis
PRO-183	FCM Optimisation Procedures	31-12-2008	STK OI	Analysis
PRO-184	ASM Procedures related to Dynamic co-operative management of the airspace	31-12-2008	STK OI	Analysis
PRO-185	FUA Procedures	31-12-2007	STK OI	Analysis
PRO-191	FCM Procedures related to adaptation of sector design for variation of Traffic Flows	31-12-2007	STK OI	Analysis
PRO-192	Simulation Provision, Data Display and Evaluation Procedures	31-12-2007	STK OI	Analysis
PRO-204d	Collaborative Procedures (FCM) for improving Airport Operations in Adverse Conditions	31-12-2007	STK OI	Analysis
PRO-215a	Airline Procedures Linked to Collaborative Flight Planning	31-12-2011	STK OI	Analysis
PRO-215b	ATC Procedures Linked to Collaborative Flight Planning	31-12-2011	STK OI	Analysis

Code	Title	IOC	Related Elements	Analysis
PRO-215c	Airport Procedures Linked to Collaborative Flight Planning	31-12-2011	STK OI	Analysis
PRO-215d	FCM Procedures Linked to Collaborative Flight Planning	31-12-2011	STK OI	Analysis
PRO-217	Ground-Ground (Procedural) Communications related to Collaborative Flight Planning	31-12-2011	STK OI	Analysis
PRO-220b	FCM procedures to describe how detection and resolution of complexity, density or traffic flow issues are managed.	31-12-2019	STK OI DS PCP	Analysis
PRO-241	Initial implementation of free routing operation	31-12-2009	STK OI	Analysis
PRO-242	Procedure for the collection of the Airport slots	31-12-2012	STK OI	Analysis
PRO-243	Procedure for monitoring and reporting along the IR requirements and the operational needs	31-12-2012	STK OI	Analysis
PRO-247	FCM Procedures for hotspots information sharing and for CDM process to support STAM coordination and implementation..	31-12-2019	STK OI DS PCP	Analysis
PRO-249	Procedures Linked to Collaborative Airport Performance Management	31-12-2028	STK OI DS	Analysis
PRO-253	APOC Adverse Situation Collaboration Procedure with Remote Airports	-	STK	Analysis
SVC-001	Modification of the TacticalUpdates service provided by Regional ATFCM to incorporate PTR status query and updates.	31-12-2026	STK OI DS	Analysis
SVC-002	Extend the AirspaceStructure service to cover the PTR status	31-12-2026	STK OI DS	Analysis
SVC-003	Enhance the existing NMFlightData service to publish and subscribe SID/STAR data	31-12-2026	STK OI DS	Analysis
SVC-005	Provision of cost-efficient Sub-Regional DCB capabilities using a Common Service	31-12-2023	STK OI DS	Analysis
SVC-006	FF-ICE Planning Service updated for the provision of the DCB data and enriched DCB data for a preliminary flight plan	31-12-2027	STK OI DS	Analysis
SVC-007	FF-ICE Flight Information Service updated for the provision of the DCB data and enriched DCB data for a PFP and eFPL.	31-12-2027	STK OI DS	Analysis
SVC-011	Enhance AOWIR SWIM service with the DCB constraint data for the AU or proposed trajectories	31-12-2027	STK OI DS	Analysis
SVC-012	Enhance AOWIR SWIM service with enriched DCB data	31-12-2027	STK OI DS	Analysis
SWIM-APS-01a	Provision of G/G Aeronautical Information services	31-12-2020	STK OI DS PCP S	Analysis
SWIM-APS-02a	Consumption of Aeronautical Information services	31-12-2020	STK OI DS PCP S	Analysis
SWIM-APS-03a	Provision of G/G ATFCM Information Services	31-12-2020	STK OI DS PCP S	Analysis
SWIM-APS-05a	Provision and Consumption of Flight Object Sharing services	31-12-2023	STK OI DS PCP S	Analysis
SWIM-APS-05b	Provision and Consumption of Enhanced G/G Flight Object Sharing services for Trajectory Based Operations	31-12-2024	STK OI DS S	Analysis
SWIM-APS-07a	Stakeholder systems consumption of G/G Meteorological Information services	31-12-2023	STK OI DS PCP S	Analysis

Source: European ATM Portal - **Report produced:** 29-09-2020 - **Date refresh:** 29-09-2020
EATMA data version: EATMA V12.1 - **ATM Master Plan data set version:** Dataset 19 Public - **MP L3 Edition:** MP L3 Plan 2019

Page 7 of 8

Code	Title	IOC	Related Elements	Analysis
SWIM-APS-12	Provision and Consumption of Mission Trajectory exchange services (not using FO)	31-12-2023	STK OI S	Analysis
SWIM-APS-19	Provision of the FF-ICE Planning Service	31-12-2024	STK OI DS	Analysis
SWIM-APS-21	Provision of the FF-ICE Flight Information Service	31-12-2024	STK OI DS	Analysis
SWIM-APS-24	Provision of the AOWIR service with the DCB constraint data	31-12-2027	STK OI DS	Analysis
SWIM-APS-25	Provision of the AOWIR service with the enhanced DCB data	31-12-2027	STK OI DS	Analysis
SWIM-GOV-05a	Regulatory Provisions for SWIM roles and responsibilities (organisational requirements)	31-12-2019	STK OI DS PCP	Analysis
SWIM-INFR-01a	High Criticality SWIM Services infrastructure Support and Connectivity.	31-12-2023	STK OI DS PCP	Analysis
SWIM-INFR-05a	General SWIM Services infrastructure Support and Connectivity.	31-12-2020	STK OI DS PCP	Analysis
SWIM-INFR-06b	Ground side SWIM technical infrastructure for Air-Ground Advisory Information Sharing	31-12-2028	STK OI DS	Analysis
SWIM-INFR-07	Ground/Ground SWIM technical infrastructure for civil-military SWIM-based non high-critical exchanges	31-12-2027	STK OI DS	Analysis
SWIM-NET-01a	SWIM Network Point of Presence	31-12-2020	STK OI DS PCP	Analysis
SWIM-SUPT-01a	SWIM Supporting Registry Provisions	-	STK OI DS PCP	Analysis
SWIM-SUPT-03a	SWIM Supporting Security Provisions	31-12-2022	STK OI DS PCP	Analysis
SWIM-SUPT-05a	SWIM Supporting IP Network Bridging Provisions	31-12-2015	STK OI	Analysis