



# **DANUBE FAB ANNUAL PLAN 2015**

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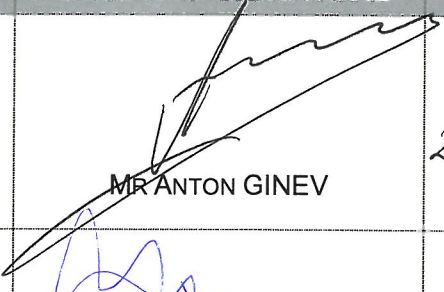
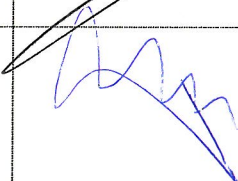


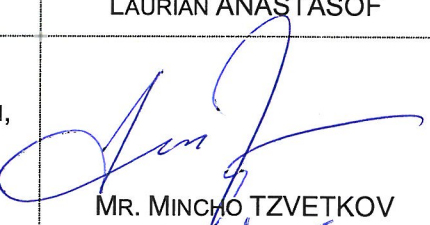
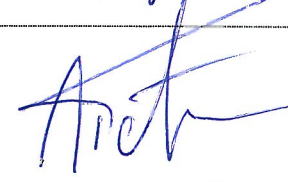

## DOCUMENT CHARACTERISTICS


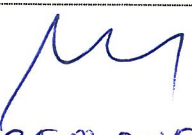



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<b>Abstract</b>		
This document represents the DANUBE FAB Annual Plan for 2015. It is based on the DANUBE FAB Strategic Program covering the period 2015 to 2019, as required by the State Agreement.		
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The following table identifies all management authorities who have successively approved the present issue of this document.

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**DOCUMENT CHANGE RECORD**

The following table records the complete history of the successive editions of the present document.

EDITION NUMBER	EDITION DATE	REASON FOR CHANGE	PAGES AFFECTED
0.1	December 2014	Working draft prepared Helios PMC, based on the Strategic Program (v0.1)	All
1.0	March 2015	Released issue taking into account coordination from ROMASA, BULASTA, Ministries and NSAs	All

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# 1 INTRODUCTION

This section provides the purpose, audience and layout of this document. It also describes the way this document should be used.

## 1.1 BACKGROUND

The State Agreement commits DANUBE FAB to developing an Annual Plan for adoption by the Governing Council which shall detail the features of the Strategic Program and describe any modifications to it.

The DANUBE FAB Annual Plan consists of the adopted Activities and Tasks for the year 2015 and is entirely based on the high level provisions set in the DANUBE FAB Strategic Program 2015 - 2019.

This Annual Plan has been developed and with strict adherence to the Strategic Program with input from the NSAs, Military and ANSPs of both DANUBE FAB States.

## 1.2 PURPOSE & SCOPE

The DANUBE FAB Annual Plan 2015 outlines detailed breakdown of activities and tasks for calendar year 2015 related to the Implementation Projects and Activities together with envisioned periods for their achievement in order to meet the longer-term Strategic Program goals. It also describes the tasks required under each activity defined by the Strategic Program falling within the period January to December 2015.

The purpose of the Annual Plan is to provide specific detail for each activity and task defined in the Strategic Program, including any difference and/or modifications to the DANUBE FAB Strategic Program that has already been adopted by the Governing Council members.

Future editions of the Annual Plan will also be required to reflect any modifications to the Strategic Program.

## 1.3 PUBLICATION & CONFIDENTIALITY

The approved DANUBE FAB Annual 2015 is a public document that is made available on the DANUBE FAB website ([www.danubefab.eu](http://www.danubefab.eu)).

Aspects of the Annual Plan which are considered confidential and restricted for internal stakeholder use only and inappropriate for general publications will be developed and distributed separately.

## 1.4 MAINTENANCE AND MODIFICATION

The Annual Plan has been developed by a dedicated Task Force with due consideration of the "DANUBE FAB Strategic Program 2015-2019" with input from the NSAs, the Military and the ANSPs of both States. The maintenance and the modification of this document will be timely performed in the same manner so as the Annual Plan to be delivered as scheduled.

## 2 RELATIONSHIP WITH STRATEGIC PROGRAM

The Annual Plan builds upon the Strategic Objectives, Implementation Projects, Activities and Tasks, as established in the Strategic Program 2015 – 2019 by also identifying a number of High Priority Projects (see Section 3) which represent the most urgent issues for DANUBE FAB in 2015. These elements may be described as follows:

- **Strategic Objectives (SOs):** The high level goals for the FAB providing the context for Implementation Projects (see Section 2.1)
- **Implementation Projects (IPs):** Projects for coordination, cooperation and collaboration between DANUBE FAB partners in a number of different areas, these will contribute towards achievement of the Strategic Objectives (see Annex A)
- **Activities:** Set out the component elements of each implementation project.
- **Tasks:** Describe the steps to be taken in order to complete an activity.
- **High Priority Projects:** A sub set of activities and tasks, across various implementation projects, which are deemed to represent the most important and significant projects to be executed by DANUBE FAB in 2015 (see Section 3)

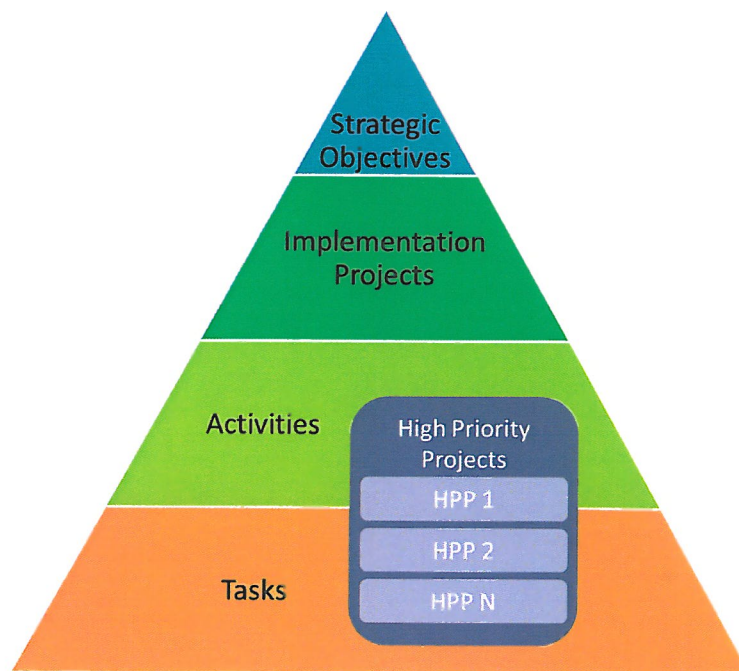


Figure 1: Relationship between levels of the Annual Plan

This document has been developed based on an extraction of the activities and tasks specified in the DANUBE FAB Strategic Program 2015 – 2019, which are to be either fully or partially undertaken in 2015. The plan has been coordinated with domain experts in order to identify the correct timescales for 2015, including any changes to the Strategic Program.

### 2.1 STRATEGIC OBJECTIVES

The DANUBE FAB Strategic Objectives are focussed around the Key Performance Areas of the RP2 Performance Plan and support elements, to ensure the continued evolution of the DANUBE FAB, and are described below.

#### STRATEGIC AREAS

#### STRATEGIC OBJECTIVES

<b>SAFETY</b>	<b>[SO1]</b> Maintain and wherever possible improve the current level of safety so that the number of accidents or serious incidents induced by air navigation services at least remains at, or decreases from, its current
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<b><u>STRATEGIC AREAS</u></b>	<b><u>STRATEGIC OBJECTIVES</u></b>
	level, notwithstanding increased traffic
<b>CAPACITY</b>	<b>[SO2]</b> Provide capacity to accommodate increasing traffic and airspace user demands, whilst reducing flight delays
<b>COST EFFICIENCY</b>	<b>[SO3]</b> Deliver high quality air navigation services at a competitive rate in line with European-wide targets
<b>ENVIRONMENT</b>	<b>[SO4]</b> Improve the efficiency of flight operations and minimise the environmental impact of ATS.
<b>TRANSVERSAL (TECHNOLOGICAL)</b>	<b>[SO5]</b> Drive benefits through technological changes and interoperability of systems and procedures
<b>TRANSVERSAL (ORGANISATIONAL)</b>	<b>[SO6]</b> Continuous development and evolution of the DANUBE FAB

The Performance Indicators identified for each Strategic Objective are presented on in the Strategic Program.

## 2.2 IMPLEMENTATION PROJECTS

Achievement of the Performance Indicators for each Strategic Objective is through the completion of the Implementation Projects (through definition of individual activities and tasks) as defined in the Strategic Program 2015 – 2019. To supplement each of the implementation projects and to provide granularity, each Implementation Project contains various activities that are broken down further into tasks.

The Implementation Projects, activities and tasks are presented in detail in ANNEX A, along with their associated timescales for execution. A responsible entity has been identified for each activity/task and any change to the Strategic Program 2015 – 2019 has also been recorded.

Annex A is designed to provide a complete overview of the activities and tasks to be undertaken in 2015, by whom and in what timeframe. The Annex should be used to inform the work programmes of the DANUBE FAB governing bodies, committees and task forces.

The Implementation Projects as presented in ANNEX A are as follows:

- Strategy and Planning [A.2]
- External Relations and Communications [A.3]
- NSA Coordination [A.4]
- Performance Planning, Monitoring and Reporting [A.4]
- Human Resources and Training [A.66]
- Technical Rationalisation and Infrastructure [A.7]
- Airspace Management and Route Improvement [A.8]
- Operational Concept and Procedures [A.9]
- Aeronautical Information Services [A.10]
- Meteorological Services [A.11]
- Safety Management [A.12]

- Quality & Environmental Management Systems [A.13]
- ATM Security Management Systems [A.14].

## 2.3 EXECUTION OF THE ANNUAL PLAN

The projects identified in the Annual Plan are the responsibility of the appointed coordinators within each stakeholder in order to:

- Revise the main activities, tasks, milestones and deliverables for the planned year;
- Identify, if the case, new activities/tasks necessary to implement and achieve each project;
- Prioritise activities/tasks according to timescales and those which need to be delivered in the next year;
- Identify resources necessary to implement/achieve the project in accordance with the estimated number of personnel identified within Strategic Program.

The coordinators should ensure their project plans are developed in consultation with the relevant experts in their domains. This will allow all stakeholders to have a common understanding of what needs to be achieved and by when, will gain buy-in for the plan and identify any inconsistencies.

### 3 HIGH PRIORITY PROJECTS

The High Priority Projects represent the most urgent tasks or activities to be undertaken or implemented in 2015 within DANUBE FAB. The selection of Priority Projects aim to ensure the focus is on significant or vital projects within DANUBE FAB, and therefore represent the areas where real work is necessary in order to ensure the FAB meets EU requirements or to ensure evolution of the FAB.

These projects have been selected after discussion by the SAPSC Co-Chairs and Alternates, with support from the DANUBE FAB PMC. They represent the key initiatives identified in the response to the European Commission's Letters of Formal Notice on Infringement Cases 2014/2102 and 2014/2103, and activities subject to TEN-T funding and other priorities identified for the FAB.

Each High Priority Project is broken down into its constituent steps, describing how the task will be undertaken, by who, and in what timeframe. This aims to assist decision makers in the planning and execution of activities. The allocation of roles and responsibilities, in relation to the various activities, should also support the timely implementation of the Projects. This can be monitored through the established milestones and expected output / deliverables.

For traceability, the Priority Projects are mapped to the Activities and Tasks established in the DANUBE FAB 2015 – 2019. The nature of the Priority Projects, which often encapsulate many different aspects, means that it can be linked to more than one Strategic Program / Annual Plan Activity or Task.

HPP 1		Inter-FAB Cooperation
<b>Rationale for inclusion as a priority project</b>		
DANUBE FAB is committed to cooperating and coordinating with other FABs, particularly since declaring its intentions to fully cooperate with BLUE MED FAB and FAB CE to the European Commission in the response to the Letters of Formal Notice. DANUBE FAB aims for the cooperation to be mainly focused on neighbouring FABs and third countries. At the first inter-FAB coordination workshop held in Amsterdam in November 2014, it was agreed that the next workshop would be hosted in Bucharest in 2015.		
<b>Associated activities/tasks (link to Strategic Program activities)</b>		A12 (T01, T02)
Steps to be undertaken	Responsible entity	Deadline
Prepare and host an inter-FAB workshop	State Authorities on Transport with support from SAPSC	October 2015
Finalise and sign a Letter of Cooperating with FAB CE for inter-FAB cooperation at ANSP level	ANSP Board	Q1 / 2015
Perform an analysis to identify areas for cooperation, such as information sharing/joint projects between DANUBE FAB and BLUE MED FAB	SAPSC	Q3 2015
Hold meeting with Blue Med FAB to exchange information on strategic and technical developments and operational matters to identify common ground	SAPSC	Q3 2015
Perform an analysis to identify projects for cooperation between DANUBE FAB and FAB CE	SAPSC	Q3 2015
<b>Key output/deliverables and milestones</b>		<b>Deadline</b>
Workshop report and input to the EC (eg guidance, recommendations)		30/12/2015
Signed Letter of Inter-FAB Cooperation at ANSP level with FAB CE		31/03/2015
Report on the possible joint projects to be undertaken with BLUE MED FAB		30/06/2015
Report on the possible joint projects to be undertaken with FAB CE		30/06/2015
<b>Key Risks and Mitigation</b>		
Lack of communication with FAB CE and BLUE		Organise planned, regular discussions



MED	
Difficulty maintaining leadership of Inter-FAB workshop preparation material, due to input and ideas from other stakeholders including FABEC	Submit proposal of initial agenda to other stakeholders as soon as possible for comment. Suggest format and structure for preparation material, maintaining regular communication with other FABs.
Limited areas of cooperation are identified through bilateral discussions with BLUE MED FAB	Ensure sufficient discussion is held between BULATSA/ROMATSA to identify multiple possible areas of cooperation before commencing dialogue. Meetings/videoconferences to organise this important event.

HPP 2	FAB enlargement	
Rationale for inclusion as a priority project		
The possibility to expand the FAB's geographical scope to neighbouring countries has been discussed at regional meetings and workshops. It is necessary to assess the feasibility of enlarging the FAB to include a third country and the means of doing so, particularly taking into account that neighbouring States are not SES-compliant.		
Associated activities/tasks (link to Strategic Program activities)		A14 (T01)
Steps to be undertaken	Responsible entity	Deadline
ROMATSA and BULATSA to conduct a joint pre-feasibility study to analyse the commonalities between DANUBE FAB and neighbouring third countries, with particular focus on the applicable aviation legislation within each State, in order to identify the most beneficial/likely candidates (if any)	SAPSC	December 2015
Meeting to discuss FAB enlargement, ensuring common understanding of conditions and mechanism needed to join DANUBE FAB, in relation to regulation (EU) No 176/2011	SAPSC	Dec 2015
Initiate discussions with Romanian and Bulgarian Ministry of Transport, ensuring government support for initiative.	SAPSC	December 2015
Key output/deliverables and milestones		Deadline
Pre-feasibility study on FAB enlargement		December 2015
Key Risks and Mitigation		
Neighboring government's reservations about joining DANUBE FAB	Initiate dialogue between state MoTs where necessary	
Change of Political situation across region	Ensure continued cooperation	
Neighbouring countries do not understand procedures necessary to join the FAB, or participate as observers	Ensure common understanding by promoting observation policy with partners.	



HPP 3		Technical Rationalisation and Infrastructure	
Rationale for inclusion as a priority project			
As communicated to the European Commission in the Observations on the Letters of Formal Notice in November 2014, DANUBE FAB jointly plans its CNS infrastructure development and where possible conducts common procurement. The objective of this project is to further develop the cooperation in the technical domain by identifying opportunities to coordinate, rationalize and/or share technical infrastructure, thereby generating cost savings.			
Associated activities/tasks (link to Strategic Program activities)			Section 6.6
Steps to be undertaken		Responsible entity	Deadline
Review 'DANUBE FAB Strategic and Harmonisation Plan for CNS Assets' and update as necessary		SAPSC	30/09/2015
Analyse the ANSPs' investment plans / system cycles, in coordination with EU Implementing Regulations, in order to identify opportunities for alignment, harmonization, rationalization and/or shared use of infrastructure.		SAPSC	30/09/2015
Implement VCS upgrade in BULATSA to finalise "VCS system for DANUBE FAB" project, increasing flexibility of communication between ANSPs		Technical Experts	April 2015
Increase communication between ROMATSA and BULATSA to identify common projects and strategy for technical rationalization.		ATM and Technical Experts	15/09/2015
Define, and receive ANSP board approval on the next steps to be undertaken on the basis of Steps 1 and 3 above		SAPSC / ANSP Board	30/10/2015
Key output/deliverables and milestones			Deadline
DANUBE FAB Technical Rationalisation and Infrastructure Plan			30/09/2015
Key Risks and Mitigation			
Systems in both ROMATSA and BULATSA are different so common technical projects are difficult to justify.		Consider reducing differences when procuring new systems, identify current common areas.	
Possible delays due to poor cooperation between ANSP experts		Periodic meetings for ROMATSA and BULATSA to update on current projects and seek areas of coordination.	

HPP 4		Air Ground Data Link	
Rationale for inclusion as a priority project			
In accordance with Regulation (EC) 29/2009, the DANUBE FAB is committed to implementing DLS within DANUBE FAB airspace. The DANUBE FAB partners are committed to implementing air-ground data link in a coordinated manner, and previously agreed to find a common operational concept for the services, including the conformity of communications, flight data and initial flight planning processing systems, and ensuring that ground communication systems comply with the air-ground communication requirements.			
Associated activities/tasks (link to Strategic Program activities)			A42 (T01, T02, T03)
Steps to be undertaken		Responsible entity	Deadline
Monitor EC advice and EASA certification work on DLS implementation, ensuring a validated technical solution is available		Safety experts	continuous
ROMATSA and BULATSA to develop validated technical system with manufacturers Indra and Sellex respectively		Technical Experts	October 2015
Implementation of the upgraded/ new ATM system implementing AGDL (CPDLC using		Technical Experts	2016



VDL/2 data link)		
SAT and certification /authorisation of the upgraded/ new ATM system and communication infrastructure, implementing AGDL and acceptance of change by NSA	Technical Experts, NSAs	January 2016
Controller training	Training Experts	January 2016
Operational use of the upgraded/ new ATM system implementing AGDL	ANSPs	2016 ( <i>Regulation 2015/310 publication makes date flexible</i> )
<b>Key output/deliverables and milestones</b>		<b>Deadline</b>
SAT report for AGDL communications		September 2015
SAT report for ATM system		October 2015
<b>Key Risks and Mitigation</b>		
Commission advice to await validated technical solution before implementation	Monitor and respond to AGDL updates from EC and EASA, especially any extensions to implementation deadline	
If multi frequency introduced, additional infrastructure will be needed	Monitor and respond to AGDL updates from EC and EASA	
Critical path due to linear nature of activities. Reliance on a previous, delayed activity has a knock on effect to subsequent tasks.	Frequent monitoring of pre-requisite activities will be undertaken in order to mitigate potential delays.	

HPP 5		Free Route Airspace (Phase 2)	
<b>Rationale for inclusion as a priority project</b>			
Following the successful implementation of FRA Phase 1 in November 2013, and as communicated to the European Commission in the Observations on the Letters of Formal Notice in November 2014, DANUBE FAB is committed to implementing Phase 2 (night FRA at FAB level) by Q1/2016.			
<b>Associated activities/tasks (link to Strategic Program activities)</b>			A59 (T01, T02, T03, T04), A60 (T01)
<b>Steps to be undertaken</b>		<b>Responsible entity</b>	<b>Deadline</b>
Kick off meeting for project, analyse and review pressure regions and technical feasibility		ATM and AIS Experts	January 2015
Pre validation exercises with network manager and introduction of common transition altitude in airspace.		ATM and AIS experts	March 2015
Safety assessment to be completed		Safety Experts	March 2015
Internal coordination with military, preparation for publication and CAA Approval		ATM and AIS Experts	March 2015
<b>Key output/deliverables and milestones</b>			<b>Deadline</b>
Implementation deadline			Q1 2016
<b>Key Risks and Mitigation</b>			
Coordination with CAA/military causes delay to publication		Ensure third parties are notified in advance of submission for review/approval. Keep informed about progress of project where necessary.	
Safety assessment/FAT/SAT results leave areas for development		Address any issues which arise in a timely fashion, with close cooperation between the project team, safety experts and manufacturers to foresee any problems and mitigate accordingly.	



HPP 6		Free Route Airspace (Phase 3)
<b>Rationale for inclusion as a priority project</b>		
DANUBE FAB has committed to implementing FAB-wide Free Route Airspace beyond night time operations by 2019. This is supported by TEN-T funds, according to EC Decision No C(2013) 7573/07.11.2013 concerning the granting of Union financial aid for projects of common interest 'Activities to support the implementation of the IDP within DANUBE FAB' – 2012-EU-40003-S – in the field of the trans-European transport network (TEN-T). DANUBE FAB ANSPs are therefore obliged to undertake several activities aiming to support phase 3 of FRA.		
<b>Associated activities/tasks (link to Strategic Program activities)</b>		A59 (T01, T02, T03, T04), A61 (T01)
Steps to be undertaken	Responsible entity	Deadline
Preparation and execution of prototype RTS	ATM expert	April 2015
Plan and data preparation for full RTS, including scenarios and data transformation in order to insert the environment data into the simulation platform	ATM expert	September 2015
Perform RTS and complete reporting activities based on output	ATM expert	31/12/2015
Prepare technical requirements and other documentation for the procurement of services to develop the FRA Safety Case	Safety Experts	April 2015
Develop FRA Safety Case based on results of RTS	Safety Experts/External contractor	31/12/2015
<b>Key output/deliverables and milestones</b>		<b>Deadline</b>
Signed contract for provision of FRA Safety Case		31/06/2015
RTS final report		31/12/2015
FRA (Phase 2) Safety Case		31/12/2015
<b>Key Risks and Mitigation</b>		
No responses received to the procurement invitation for safety case	Repetition of the procurement procedure, or direct purchasing of services, following public procurement laws at all times	
Unfamiliarity between external contractor working arrangements, and those of BULATSA/ROMATSA, or external contractor does not complete tasks to sufficient quality	Consideration of the need for the contracting authorities to work closely with the contractor, and the experience of the contractor, will be given during the procurement process. During the execution of the contract, sufficient support to the external contractor will be ensured.	

HPP 7		Possibilities for joint participation in European initiatives
<b>Rationale for inclusion as a priority project</b>		
In order to improve and sustain DANUBE FAB's image by the Commission, DANUBE FAB should pro-actively seek opportunities for ROMATSA and BULATSA to collaboratively engage with European initiatives. This will demonstrate a high level of trust and cooperation to the European Commission and will deliver additional benefits at FAB level.		
<b>Associated activities/tasks (link to Strategic Program activities)</b>		N/A
Steps to be undertaken	Responsible entity	Deadline
Monitor SES developments and pro-actively seek opportunities for collaboration, including Centralised Services, SESAR 2020 and Pilot Common Project	SAPSC	December 2015
Report to the DANUBE FAB Governing Bodies on the possible opportunities for joint participation in	SAPSC	May 2015 (Report 1) October 2015

European level initiatives		(Report 2)
<b>Key output/deliverables and milestones</b>		<b>Deadline</b>
Report to ANSP Board / Governing Council		May 2015
Report to ANSP Board / Governing Council		October 2015
<b>Key Risks and Mitigation</b>		
Restrictions on the consortia to bid for Centralised Services inhibits joint participation	Monitor any restriction changes in upcoming Call for Tender. Liaise with EUROCONTROL to negotiate participation with neighbouring state.	
Third parties such as separate BULATSA ROMATSA partners may not allow project collaboration	Maintain communication with applicable third parties about joint collaboration	
Governing Bodies do not accept the proposed opportunities for joint participation	Ensure arguments for join participation favour both ROMATSA and BULATSA and are well formulated. Maintain communication with ANSP board and Governing Council through agenda items at ANSP board and Governing Council meetings in May and October 2015.	

HPP 8	Implementation of a common set of DF safety KPIs		
Rationale for inclusion as a priority project			
The overarching safety objective of DANUBE FAB is to maintain and wherever possible improve the current level of safety so that the number of ANS induced accidents or serious incidents remains constant or decreases from its current level, notwithstanding increased traffic. This involves ongoing safety monitoring, which could be improved through implementing common 'Safety Key Performance Indicators' on a FAB level, rather than as individual ANSPs.			
Associated activities/tasks (link to Strategic Program activities)			A94
Steps to be undertaken		Responsible entity	Deadline
Produce a study on the monitoring of existing Safety Key Performance Indicators in both ANSPs through meetings and exchange of documentation.		SWG of SQSESG and both Safety departments of BULATSA and ROMATSA	Q2 2015
Conduct an analysis to help to elaborate a common set of DF safety KPIs		SWG of SQSESG and both Safety departments of BULATSA and ROMATSA	Q3 2015
Organise a meeting to discuss the proposed set of DF safety KPIs		SWG of SQSESG and both Safety departments of BULATSA and ROMATSA	Q4 2015
Propose the common set of DF safety KPIs to the ANSP board for adoption.		SWG of SQSESG and both Safety departments of BULATSA and ROMATSA	Q1 2016
Key output/deliverables and milestones			Deadline
Study report on safety KPIs			Q2 2015
Proposition report based on analysis of a common set of DF safety KPIs			Q3 2015
Decisions from a meeting for discussion about the proposed set of DF safety KPIs			Q4 2015
Revision of the DF Common SMM to include the adopted common set of DF safety KPIs			Q1 2016



Key Risks and Mitigation	
Shortage of safety staff and recent increase in traffic results in additional activities and therefore limited time to spend on FAB undertakings.	Ongoing monitoring of traffic situation to manage workload in advance. Forward planning of meetings, couple routine and DANUBE activities to avoid work overload.

## 4 DEFINITIONS AND ACRONYMS

For the purpose of this document the definitions in the harmonised regulatory framework for the creation of the Single European Sky shall apply. The following definitions and acronyms shall apply:

**A-CDM** – Airport Collaborative Decision Making  
**AF** – ATM Functionalities  
**AIS** – Aeronautical Information Service  
**AP** – Annual Plan  
**ANSP** – Air Navigation Service Provider  
**ARN** – ATM Route Network  
**ATM-MP** – ATM Master Plan  
**ATSEP** – Air Traffic Safety Engineering Professional  
**CDM** – Collaborative Decision Making  
**CNS** – Communications, Navigation and Surveillance  
**EATM** – European Air Traffic Management  
**EC** – European Commission  
**EP** – European Parliament  
**ERNIP** – European Route Network Implementation Plan  
**EU** – European Union  
**FAB** – Functional Airspace Block  
**ICAO** – International Civil Aviation Organisation  
**IMS** – Integrated Management System  
**IDP** – Interim Deployment Programme  
**IDSG** – Interim Deployment Steering Group  
**KPA** – Key Performance Indicator  
**MET** – Aeronautical Meteorological Services  
**MIL** – Military  
**MWC** – Meteorological Watch Centre  
**NM** – Network Manager  
**NMB** – Network Management Board  
**NOP** – Network Operations Plan  
**NSA** – National Supervisory Authority  
**NSP** – Network Strategic Plan  
**OI** – Operational Improvement  
**OSC** – Operational Standing Committee  
**PRB** – Performance Review Body  
**SAPSC** – Strategies and Planning Standing Committee  
**SBP** – Strategic Business Plan  
**SEC MS** – Security Management System  
**SES** – Single European Sky  
**SESAR** – SES ATM Research  
**SIGMET** – SIGnificant METeorological information  
**SP** – Strategic Program  
**SSC** – Single Sky Committee  
**(E)/(L)SSIP** – European/Local Single Sky ImPlementation (mechanism/documents)  
**SQSESC** – Safety, Quality, Security and Environment Standing Committee

## ANNEX A IMPLEMENTATION PROJECTS

### A.1 INTRODUCTION

This Annex breaks down the activities and tasks for calendar year 2015 defined by the Strategic Program falling within the period January to December 2015, including any difference and/or modifications to it. The individual task view is required to provide a reference at the working level on expected tasks, responsibilities and timescales.

The level of detail of this section is such that it does present a comprehensive plan for each individual activity at DANUBE FAB level for 2015.

There is a slight possibility for overlapping between the individual activities and tasks.

Each project is categorised under a defined set of attributes which includes description the activities of each project further broken down into tasks.

General project attributes are presented in a single table for each project.

Project description attributes are presented in a separate table according to the following key:

Actions	Period / Deadline	Change to SP 2015 – 2019	Responsibilities
[ACTIVITY A1] A domain level initiative, can be the responsibility of multiple parties. Provides a specific set of steps and major milestones.		Provide any difference and/or modifications to the DANUBE FAB Strategic Program.	The allocation of responsibility for conducting the activity.
[TASK A1.T01] A detailed and specific domain level initiative, assigned to a specific party. This level of detail is only provided in the Annual Plan.		Provide any difference and/or modifications to the DANUBE FAB Strategic Program.	The allocation of responsibility for conducting the task.

### A.2 STRATEGY AND PLANNING

Implementation Project Manager: Veselin Stoyanov supported by Vladimir Grigorov, Ivan Iliev and DANUBE FAB unit/ Adrian Florea, supported by Mihai Dumitrache and Danube FAB unit

Estimated team effort in 2015 (man-days): 90 / 475

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[ACTIVITY A1] <b>Maintain Governing Council</b>			
[TASK A1.T01] Maintain Governing Council	2015 – 2019	N/A	SAPSC
[ACTIVITY A2] <b>Maintain NSA Board</b>			
[TASK A2.T01] Maintain NSA Board	2015 – 2019	N/A	NSAs
[ACTIVITY A3] <b>Maintain ANSP Board</b>			
[TASK A3.T01] Maintain ANSP Board	2015 – 2019	N/A	SAPSC
[ACTIVITY A4] <b>Maintain DANUBE FAB Airspace Policy Body</b>			
[TASK A4.T01] Maintain DANUBE FAB Airspace Policy Body	2015 – 2019	N/A	OSC / ADODEG
[ACTIVITY A5] <b>Adopt Strategic Program for Year n-n+5 and Annual Plan for Year n</b>			
[TASK A5.T01] Initiate development and update of the Strategic Program and the Annual Plan	Aug-Sept Yn-1 (2015 – 2019)	N/A	SAPSC
[TASK A5.T02] Set up any required Task Forces to deliver the Annual Plan	Aug-Sept Yn-1 (2015 – 2019)	N/A	SAPSC



Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A5.T03]	Adopt Strategic Program and Annual Plan (GC approval)	Dec Yn-1 (2015 – 2019)	N/A	SAPSC
<b>[ACTIVITY A6] Adopt Annual Report Year n</b>				
[TASK A6.T01]	Initiate development of the annual report	Dec Yn-Jan Yn+1 (2015 – 2019)	N/A	SAPSC
[TASK A6.T02]	Adopt Annual Report	April Yn+1 (2015 – 2019)	N/A	SAPSC
<b>[ACTIVITY A7] Coordinate activities of Network Management Board</b>				
[TASK A7.T01]	Coordinate activities of the Network Management Board	2015 – on going	N/A	SAPSC
<b>[ACTIVITY A8] Coordination to prepare LSSIPs at FAB level</b>				
[TASK A8.T01]	Receive and review new set of ESSIP objectives and significant changes to existing ones for Year n	Jul – Aug (2015 – 2019)	N/A	LSSIP Focal Points
[TASK A8.T02]	Prepare and coordinate LSSIP aspects based on common activities with LSSIP Focal Points and EUROCONTROL coordinator (Contact Person).	Sep 2015	N/A	LSSIP Focal Points
[TASK A8.T03]	Participate to a common DANUBE FAB kick-off meeting for LSSIPs edition Yn	Sep – Oct 2015	N/A	LSSIP Focal Points
[TASK A8.T04]	Common in-cycle activities for the alignment of LSSIPs edition Yn at FAB level (i.e. alignment meetings, e-mail / phone / webex sessions coordination)	Jan – Feb 2015	N/A	LSSIP Focal Points, ANSP Experts
[TASK A8.T05]	Submit coordinated LSSIPs edition Yn	Feb – Mar 2015	N/A	LSSIP Focal Points
<b>[ACTIVITY A9] Support to DANUBE FAB actions in relation with Infringement Cases no 2014/2102 and no 2014/2103</b>				
[TASK A9.T01]	Monitor actions	2015 – 2019	N/A	SAPSC
[TASK A9.T02]	Report to Governing Council on the status of the actions	2015 – 2019	N/A	SAPSC
<b>[ACTIVITY A10] Coordinated involvement in the SESAR deployment and governance structures</b>				
[TASK A10.T01]	Coordinated IDP Reporting to IDSG	2015	N/A	ANSP Experts
[TASK A10.T02]	Coordinated elaboration of IDP ANSPs' recommendations input to IDSG	2015	N/A	ANSP Experts
[TASK A10.T03]	Coordinated Deployment program reporting to DM	2015 – on going	N/A	ANSP Experts
[TASK A10.T04]	Coordinated participation in DM Coordination platform	2015 – on going	N/A	ANSP Experts
<b>[ACTIVITY A11] Coordinate to maintain compliance with ICAO standards and EU regulations</b>				
[TASK A11.T01]	Coordinate to maintain compliance with ICAO standards and EU regulations	2015 – 2019	N/A	TBD
<b>[ACTIVITY A12] Inter-FAB cooperation</b>				
[TASK A12.T01]	Implement Inter-FAB cooperation mechanism with BLUE MED FAB	2015 – 2019	N/A	SAPSC
[TASK A12.T02]	Implement Inter-FAB cooperation mechanism with FAB CE	2015	N/A	SAPSC
<b>[ACTIVITY A13] FAB involvement in an industrial partnership</b>				
[TASK A13.T01]	Activities to analyse opportunities for FAB involvement in an industrial partnership	2015 – 2019	N/A	SAPSC
<b>[ACTIVITY A14] FAB enlargement</b>				
[TASK A14.T01]	Organise meetings at regional level	2015 – 2019	N/A	Governing Council
[TASK A14.T02]	Perform (pre)feasibility study for DANUBE FAB enlargement	No plan in 2015		



Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A1.T01] Define strategy for FAB enlargement		No plan in 2015	
[TASK A1.T02] Setup cooperation mechanisms with interested parties for FAB enlargement		No plan in 2015	

### A.3 EXTERNAL RELATIONS AND COMMUNICATIONS

Implementation Project Manager: Nikolai Kostov / Silviu Gheorghe

Estimated team effort in 2015 (man-days): 60 / 185

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A15] Administrative activities</b>			
[TASK A15.T01] Annual review of the DANUBE FAB communications plan and update as required	Nov 2015	N/A	Administrative Cell
[TASK A15.T02] Maintain a contact database for all those involved in the project.	January 2015	N/A	Administrative Cell
[TASK A15.T03] Develop administrative/communications related documentation in support to DANUBE FAB Governance	2015 – 2019	N/A	Administrative Cell
<b>[ACTIVITY A16] Website and members area</b>			
[TASK A16.T01] Update website on regular basis	2015 – 2019	N/A	Administrative Cell
[TASK A16.T02] Ongoing activities to maintain the 'Members Area' information file store on the website	2015 – 2019	N/A	Administrative Cell
[TASK A16.T03] Migrate to the new look and website platform	May 2015	N/A	Administrative Cell
<b>[ACTIVITY A17] News and press</b>			
[TASK A17.T01] Ongoing activities to include all press releases, newsletter, documents for library, etc onto web site.	2015 – 2019	N/A	Administrative Cell
[TASK A17.T02] Issue annual DANUBE FAB newsletter	2015 – 2019	N/A	Administrative Cell
[TASK A17.T03] Develop FAB distribution list, comprising internal and external stakeholders and customers, including EU institutions	March 2015	N/A	Administrative Cell
<b>[ACTIVITY A18] Support FAB international standing and relations</b>			
[TASK A18.T01] FAB representation at international events (e.g. NM, ECTL, EC, EASA, etc.)	2015 – 2019	N/A	SAPSC, OSC, SQSESC
[TASK A18.T02] FAB participation at World ATM Conference	2015 – 2019	N/A	SAPSC
[TASK A18.T03] Administrative activities to support of the coordination with EC	2015 – 2019	N/A	Administrative Cell
[TASK A18.T04] Maintain awareness of ongoing activities and status within other FABs, including lessons learned	2015 – 2019	N/A	SAPSC
[TASK A18.T05] Activities to promote DANUBE FAB among neighbouring third countries	2015 – 2019	N/A	Administrative Cell
<b>[ACTIVITY A19] Maintain regular stakeholder consultation</b>			
[TASK A19.T01] Coordinate stakeholder consultation meetings	2015 – 2019	N/A	GC, SAPSC, Administrative Cell
<b>[ACTIVITY A20] Promotion and marketing</b>			
[TASK A20.T01] Define consistent approach towards promotional and marketing materials (eg document files, USB sticks pens, notepads, stands)	March 2015	N/A	Administrative Cell

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A20.T02] Develop a FAB video presentation	March 2015	N/A	Administrative Cell
[TASK A20.T03] Develop DANUBE FAB Identity Manual	January 2015	N/A	Administrative Cell
[TASK A20.T04] Maintain and update DANUBE FAB Identity Manual	2015 – 2019	N/A	Administrative Cell
[TASK A20.T05] Create common templates for newsletters, press releases, documents etc.	March 2015	N/A	Administrative Cell
[TASK A20.T06] Revise/resolve DANUBE FAB motto, considering the availability and copyright issues	June 2015	N/A	Administrative Cell

## A.4 NSA COORDINATION

Implementation Project Manager: Kalin Raychev / Cristina Caliga

Estimated team effort in 2015 (man-days): 30 / 30

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A21] Review NSA Rules and Procedures and harmonise as the case may be</b>			
[TASK A21.T01] Review NSA Rules and Procedures and harmonise as the case may be	continuous process, according to NSAs Annual Plan	N/A	NSAs
<b>[ACTIVITY A22] Implementation of the “Consultation Mechanism and processes for the harmonisation of rules and procedures”, ed. 1/2013</b>			
[TASK A22.T01] Implementation of the “Consultation Mechanism and processes for the harmonisation of rules and procedures”, ed. 1/2013	continuous process, according to NSAs Annual Plan	N/A	NSAs
<b>[ACTIVITY A23] Mutually Recognise Supervisory Tasks</b>			
[TASK A23.T01] Mutually Recognise Supervisory Tasks	continuous process, according to NSAs Annual Plan	N/A	NSAs
<b>[ACTIVITY A24] Cooperate in supervision, oversight, safety policy, coordination with the Network Manager and stakeholder consultation</b>			
[TASK A24.T01] Cooperate in supervision, oversight, safety policy, coordination with the Network Manager and stakeholder consultation	continuous process, according to NSAs Annual Plan	N/A	NSAs
<b>[ACTIVITY A25] Formal coordination forum between the NSAs</b>			
[TASK A25.T01] Formal coordination forum between the NSAs	continuous process, according to NSAs Annual Plan	N/A	NSAs
<b>[ACTIVITY A26] NSAs to set up a common task force to monitor performance</b>			
[TASK A26.T01] NSAs to set up a common task force to monitor performance	2015	N/A	NSAs



## A.5 PERFORMANCE PLANNING, MONITORING AND REPORTING

Implementation Project Manager: Mr. Vitan Todorov, Kalin Raychev, Lazar Iliev / Alexandru Kramer, Adrian Petrescu

Estimated team effort in 2015 (man-days): 250 / 250

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A27] Preparation and Operational implementation of Danube FAB Performance Plan for RP2</b>			
[TASK A27.T01] Submit revised Performance Plan(s) (if required)	30st Apr 2015	N/A	NSAs, ANSPs
[TASK A27.T02] Operational implementation of Danube FAB Performance Plan for RP2	Jan 2015	N/A	NSAs, ANSPs
<b>[ACTIVITY A28] Reporting of performance</b>			
[TASK A28.T01] Submission of State Monitoring Reports	1st Jun	N/A	NSAs, SAPSC
[TASK A28.T02] Submission of Reporting Tables for previous reporting period (n-1) and preliminary forecast for next reporting period (n+1)	1st Jun	N/A	NSAs, SAPSC
[TASK A28.T03] Submission of Reporting Tables with final forecast for next reporting period (n+1)	1st Nov	N/A	NSAs, SAPSC
<b>[ACTIVITY A29] Assessment of possible common charging policies and FAB-wide or synthetic FAB unit rates</b>			
[TASK A29.T01] Submission of Reporting Tables with final forecast for next reporting period (n+1)	2015-2019	N/A	SAPSC

## A.6 HUMAN RESOURCES AND TRAINING

Implementation Project Manager: Ivan Stefanov / Daniela Brătescu

Estimated team effort in 2015 (man-days): 73 / 73

Actions	Period / Deadline	Change 10 SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A30] Maintain appropriate human resources numbers and competences for FAB operation</b>			
[TASK A30.T01] Ensuring the necessary arrangements for the allotment of appropriate human resources, in number and competencies required for the performance of the Annual Plan tasks.	Permanently	N/A	HR experts
[TASK A30.T02] Harmonise the methodologies to identify training needs for NSAs' staff	2015-2019	N/A	NSAs
<b>[ACTIVITY A31] Maintain Regular Social Consultation Forum</b>			
[TASK A31.T01] Organise and support SCF meetings	2 SCF meetings in 2015	N/A	SAPSC & Adm Cell
<b>[ACTIVITY A32] Maintain common training board</b>			
[TASK A32.T01] Maintain training board	2015 – 2019	N/A	Training experts
<b>[ACTIVITY A33] Maintain the DANUBE FAB training policy</b>			
[TASK A33.T01] Maintain DANUBE FAB training policy	2015 – 2019	N/A	Training experts
<b>[ACTIVITY A34] Establish Common approach for Training System</b>			



Actions		Period / Deadline	Change 10 SP 2015-2019	Responsible Experts or Entity
[TASK A34.T01]	Coordination of activities related to the common training system, ATCO selection and basic training (including basic training syllabus, selection requirements)	December 2015	N/A	Training Experts
[TASK A34.T02]	Establish common training approach (competence and certification) for SQSE staff	December 2015	N/A	Training Experts, SQSE experts
[TASK A34.T03]	Establish common training approach (competence and certification) for ATSEP staff	December 2015	N/A	Training Experts, CNS experts
[TASK A34.T04]	Establish common training approach (competence and certification) for AIS staff	December 2015	N/A	Training Experts, AIS experts
[TASK A34.T05]	Establish common training approach (competence and certification) for MET staff	December 2015	N/A	Training Experts, MET experts
<b>[ACTIVITY A35] Common Training Approach and activities for ATCOs, SQSE ATSEP and MET staff</b>				
[TASK A35.T01]	Implementation of common training approach for ATCOs	December 2015	N/A	Training Experts
[TASK A35.T02]	Implementation of common training approach (competence & certification) for SQSE staff	December 2015	N/A	SQSE experts & training experts
[TASK A35.T03]	Implementation of common training approach (competence & certification) for ATSEP staff	December 2015	N/A	CNS experts & training experts
[TASK A35.T04]	Implementation of common training approach (competence & certification) for MET staff	December 2015	N/A	MET experts & training experts
<b>[ACTIVITY A36] Harmonisation of AIS Staff Training</b>				
[TASK A36.T01]	Biennial workshop with AIS managers and training experts to analyse compliance with legislation and future developments / requirements	Nov 2015	N/A	AIS Experts, Training Experts
[TASK A36.T02]	Propose a common AIS theoretical training structure and syllabus	Nov 2015	N/A	AIS Experts, Training Experts
[TASK A36.T03]				
[TASK A36.T04]	Implement common AIS theoretical training structure and syllabus	Nov 2016	N/A	AIS Experts, Training Experts

## A.7 TECHNICAL RATIONALISATION AND INFRASTRUCTURE

Implementation Project Manager: Dimitar Stoyanov / Viorel Săliștean, Eugen Mihăescu

Estimated team effort in 2015 (man-days): 47 / 55

Actions		Period / Deadline	Responsible Experts or Entity	
[ACTIVITY A37]	Implement Advanced Airspace Management			
[TASK A37.T01]	Extended deployment of LARA working positions to other airspace users (other military users, major VFR operators)	2015	N/A	ANSPs/Military Authorities
[TASK A37.T02]	National LARA systems (ROMANIA and BULGARIA) integration	2015 - 2019	N/A	ANSPs/Military Authorities
[TASK A37.T03]	DANUBE FAB AMS enhanced to exchange information with the Network Operations Plan	No plan in 2015		
[ACTIVITY A38]	Implementation of Voice Over Internet Protocol (VOIP) in ATM (ground-ground)			
[TASK A38.T01]	Develop safety assessment for the changes.	2015 – 2018	N/A	Safety Experts
[TASK A38.T02]	Test voice required connectivity and performance for inter-center VoIP connections.	March 2015	N/A	Technical Experts
[TASK A38.T03]	System certification/authorisation inter-center VoIP and acceptance of change by NSA	No plan for 2015		



Actions		Period / Deadline		Responsible Experts or Entity
[TASK A38.T04]	Update of LoA	No plan for 2015		
[TASK A38.T05]	Put into service upgraded voice communication systems	No plan for 2015		
[TASK A38.T06]	Update VoIP addressing information in the EUROCONTROL AGVN web-database	No plan for 2015		
[ACTIVITY A39]	Implementation of Voice Over Internet Protocol (VOIP) in ATM (air-ground)			
[TASK A39.T01]	Develop safety assessment for the changes.	2015 – 2018	N/A	Safety Experts
[TASK A39.T02]	Purchase and install VCS equipment able to support VoIP in ATM.	2015 –	N/A	Technical Experts
[TASK A39.T03]	Purchase and install TCP/IP infrastructure able to support VoIP in ATM.	2015 - 2016	N/A	Technical Experts
[TASK A39.T04]	Purchase and install GRS equipment and/or gateways able to support VoIP in ATM.	2015 – 2016	N/A	Technical Experts
[TASK A39.T05]	Test voice required connectivity and performance including AG ground segment voice application.	2015 – 2018	N/A	Technical Experts
[TASK A39.T06]	System certification/authorisation for VoIP A/G segment and acceptance of change by NSA	No plan for 2015		
[TASK A39.T07]	Put into service upgraded voice communication systems.	2015 – 2018	N/A	Technical Experts
[ACTIVITY A40]	Implement PENS			
[TASK A40.T01]	A coordinated decision of ROMATSA and BULATSA to join PENS will be taken after the information that at least two of neighbouring to BULATSA and ROMATSA ANSP are joined PENS.	TBD	N/A	ANSP management
[TASK A40.T02]	Sign a contract with SITA to become PENS member and establish access nodes	TBD	N/A	ANSP management & legal experts
[TASK A40.T03]	Migrate exchange of radar data to PENS	TBD	N/A	Technical experts
[TASK A40.T04]	Migrate exchange of FMTP to PENS	TBD	N/A	Technical experts
[TASK A40.T05]	Migrate exchange of AMHS to PENS	TBD	N/A	Technical experts
[TASK A40.T06]	Migrate voice connections to PENS	TBD	N/A	Technical experts
[ACTIVITY A41]	Implement Data Link Services above FL 285 (including CPDLC using VDL/2)			
[TASK A41.T01]	Implementation of the upgraded/ new ATM system implementing AGDL (CPDLC using VDL/2 data link)	2015	N/A	Technical Experts
[TASK A41.T02]	SAT and certification/authorisation of the upgraded/ new ATM system implementing AGDL and acceptance of change by NSA	No plan for 2015		
[TASK A41.T03]	Operational use of the upgraded/ new ATM system implementing AGDL	No Plan for 2015		
[ACTIVITY A42]	Implement ADS-B			
[TASK A42.T01]	Call for Tender	2015 – 2017	N/A	Procurement Experts, Technical Experts
[TASK A42.T02]	Installation, Validation & Verification and Site acceptance	2015 – 2017	N/A	Technical Experts
[TASK A42.T03]	Preparation of safety case, certification/authorisation, and acceptance of change by NSA	2015 – 2018	N/A	Safety Case, NSA
[TASK A42.T04]	Trials and operation in test mode for ADS-B RAD and ADS-B APT	2015 – 2018	N/A	Technical, Operational Experts
[TASK A42.T05]	Operational evaluation for ADS-B RAD and ADS-B APT	2015 – 2018	N/A	Technical, Operational Experts
[TASK A42.T06]	Begin of operational use of ADS-B RAD and ADS-B APT	2015 – 2018	N/A	Operational Experts



Actions		Period / Deadline		Responsible Experts or Entity
[ACTIVITY A43]	Exchange surveillance data from ADS-B out sensors in FAB airspace			
[TASK A43.T01]	Identify common ADS-B out KPIs	2015	N/A	Surveillance experts
[TASK A43.T02]	Bilateral exchange ADS-B out sensor surveillance data	No plan for 2015		
[ACTIVITY A44]	Implement extended set of OLDI messages			
[TASK A44.T01]	Implement following change of LoA	2015	N/A	Operational Experts
[TASK A44.T02]	Implement LOF, NAN messages	2015	N/A	R&D, Technical, Operational, Safety Experts
[TASK A44.T03]	Integrated test of LOF, NAN messages	2015	N/A	R&D, Technical, Operational, Safety Experts
[TASK A44.T04]	Operational use of LOF and NAN messages	No plan for 2015		
[ACTIVITY A45]	Migrate from AFTN (Aeronautical Fixed Telecommunication Network) to AMHS (ATS Message Handling System)			
[TASK A45.T01]	Activate operational AMHS connection between Bucharest and Sofia	2015	N/A	Technical Experts
[TASK A45.T02]	Progressive migration of AFTN traffic flows between Bucharest and Sofia from CIDIN to AMHS connection.	2015	N/A	Technical Experts
[TASK A45.T03]	Deactivations and deletion of the former CIDIN/AFTN connectivity between Bucharest and Sofia, and acceptance of change by NSA	2015	N/A	Technical Experts
[ACTIVITY A46]	Implement aircraft identification for surveillance for the Single European Sky			
[TASK A46.T01]	Mode S coverage for APP and en-route	No plan for 2015		
[TASK A46.T02]	Common Aircraft identification using Mode S data	No plan for 2015		
[ACTIVITY A47]	Exchange surveillance data from new Mode-S sensors			
[TASK A47.T01]	Review of Radar Data Sharing Agreement to include quality of sharing radar data, methods to report radar data quality	2015	N/A	Surveillance experts
[TASK A47.T02]	Identify common Mode S radar coverage KPIs	2015	N/A	Surveillance experts
[TASK A47.T03]	Bilateral exchange of Mode S radar surveillance coverage	No plan for 2015		
[TASK A47.T04]	Inform (and if necessary receive the approval by) civil authorities to use Mode-S exchanged data in accordance with (EU) No 1034/2011	No plan for 2015		
[ACTIVITY A48]	Implement Mode S radar coverage in DANUBE FAB airspace (APP and ENR)			
[TASK A48.T01]	Identify common Mode S radar coverage KPIs	No plan for 2015		
[TASK A48.T02]	Deploy Mode S radar surveillance coverage	No plan for 2015		
[ACTIVITY A49]	Provide appropriate terrestrial navigation infrastructure to support RNAV operation			
[TASK A49.T01]	FAB level plan for future development of NAV infrastructure	No plan for 2015		
[TASK A49.T02]	Common approach regarding GNSS monitoring in DANUBE FAB with both Romanian and Bulgarian CAAs	No plan for 2015		
[ACTIVITY A50]	Establish mutual agreement on AFTN / AMHS contingency			
[TASK A50.T01]	Establish mutual agreement on AFTN / AMHS contingency	2015	N/A	Technical Experts
[ACTIVITY A51]	Implement air-ground voice channel spacing requirements below FL195			
[TASK A51.T01]	Develop safety assessment	2015 – 2018	N/A	Safety Experts
[TASK A51.T02]	Convert 25 kHz frequencies to 8,33 kHz	2015 – 2018	N/A	Technical Experts
[ACTIVITY A52]	Implementation of interactive rolling NOP			



Actions		Period / Deadline		Responsible Experts or Entity
[TASK A52.T01]	Upgrade and integrate the automated ASM support system with the capability of AIXM 5.1 B2B data exchange with NM	2015 – 2016	N/A	Technical Experts
[TASK A52.T02]	Produce a safety assessment on the upgrade of automated ASM support systems to the AIXM 5.1 capability	2015 – 2016	N/A	Safety Experts

## A.8 AIRSPACE MANAGEMENT & ROUTE IMPROVEMENT

Implementation Project Manager: from BULATSA - Bisser Jelev Head of ASM Department/ Daniel Harea

Estimated team effort in 2015 (man-days): 1500 / 2500

Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[ACTIVITY A53]	Adopt DANUBE FAB Common operational policy			
[TASK A53.T01]	Development of the DANUBE FAB Common Operational Policy	2015	N/A	OSC
[ACTIVITY A54]	Routes implementation for the period 2015-2019 as planned in ERNIP			
[TASK A54.T01]	Perform FTS (incl. capacity analysis)	2015-2019	N/A	ATM Experts
[TASK A54.T02]	Safety assessments of the route changes	2015-2019	N/A	ATM Experts, Safety & Quality Experts
[TASK A54.T03]	Acceptance of the change	2015-2019	N/A	NSA
[TASK A54.T04]	Publication of the route changes in the AIPs	2015-2019	N/A	ATM Experts
[ACTIVITY A55]	Implement necessary sector re-shaping			
[TASK A55.T01]	Implement necessary sector re-shaping	2015-2019	N/A	ATM Experts
[ACTIVITY A56]	Develop common airspace policy and perform annual updates			
[TASK A56.T01]	Develop common airspace policy and perform annual updates	2015-2019	N/A	ATM Experts
[ACTIVITY A57]	Review the airspace classification			
[TASK A57.T01]	Review the airspace classification	2015-2019	N/A	ATM Experts
[ACTIVITY A58]	Prepare airspace design for free-route airspace (FRA)			
[TASK A58.T01]	Perform FRA simulation	2015 – 2019	N/A	ATM Experts, ATCOs
[TASK A58.T02]	Perform FRA training for all categories of staff involved	2015 – 2016	N/A	ATM Experts, Training Experts
[TASK A58.T03]	Develop FRA procedures	2015 – 2019	N/A	ATM Experts
[TASK A58.T04]	FRA publication and safety case	2015 – 2019	N/A	ATM Experts, Safety & Quality Experts
[ACTIVITY A59]	Implement night FRA at FAB level			
[TASK A59.T01]	Implement night FRA at FAB level	No plan for 2015		
[ACTIVITY A60]	Implement extension of FRA operational hours at FAB level			
[TASK A60.T01]	Implement extension of FRA operational hours at FAB level	No plan for 2015		
[ACTIVITY A61]	Implement longer term airspace changes after 2020 as proposed in ERNIP			
[TASK A61.T01]	Implement longer term airspace changes after 2020 as proposed in ERNIP	No plan for 2015		
[ACTIVITY A62]	Terminal airspace projects and evolution towards future CDA operations			
[TASK A62.T01]	Terminal airspace projects and evolution towards future CDA operations	No plan for 2015		
[ACTIVITY A63]	Study for Definition of activities and tasks for the domain specific aspects for Airspace Management			



Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A63.T01]	Analyse the modality for implementation of ASM/ATFCM (strategic elements)	2015 – 2016	N/A	ATM Experts
[TASK A63.T02]	Analyse the modality for implement ASM/ATFCM (pre-tactical elements)	No plan for 2015		
[TASK A63.T03]	Analyse the modality for implement ASM/ATFCM (tactical elements)	No plan for 2015		
[TASK A63.T04]	Analyse the modality for gradual integration of ASM/ATFCM at FAB level	No plan for 2015		
[ACTIVITY A64]	Common ASM/ATFCM functions applied within the FAB			
[TASK A64.T01]	Common ASM/AFTCM functions applied within the FAB	No plan for 2015		
[ACTIVITY A65]	Analyse the possibility of introducing the dynamic airspace management			
[TASK A65.T01]	Analyse the possibility of introducing the dynamic airspace management	No plan for 2015		
[ACTIVITY A66]	Define the activities and tasks for CDM			
[TASK A66.T01]	Define the activities and tasks for the CDM	No plan for 2015		

## A.9 OPERATIONAL CONCEPT AND PROCEDURES

Implementation Project Manager: Asen Stanoev/ Daniel Harea, Mihai Braniște

Estimated team effort in 2015 (man-days): 80 / 90

Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[ACTIVITY A67]	<b>Maintain harmonised ATS procedures</b>			
[TASK A67.T01]	Elaborate ATS procedures harmonisation mechanism, including annual monitoring and relevance analysis of EU Regulations in order to ensure up-to-date operational procedures	December 2015	N/A	OSC
[TASK A67.T02]	Implement harmonisation mechanism	No plan for 2015		
[TASK A67.T03]	Support CAAs in harmonised transposition of ICAO Doc 4444 / ICAO Doc 7030 into national laws	On regular basis	N/A	OSC/SAPSC
[TASK A67.T04]	Annual Review of the Operational Procedures Harmonisation Plan and notify NSA Board consequently	Annually	N/A	OSC/SAPSC
[ACTIVITY A68]	<b>LoA amendment</b>			
[TASK A68.T01]	LoA amendment	On regular basis	N/A	ACC Sofia and ACC Bucharest
[ACTIVITY A69]	<b>Maintain Up to Date &amp; Comprehensive DANUBE FAB ConOps</b>			
[TASK A69.T01]	Identification and coordination of necessary amendments of the ConOps	Annually	N/A	ConOps Task Force
[TASK A69.T02]	Carrying out the terms set out in the ConOps Maintenance Procedure	2015 - 2019	N/A	OSC
[ACTIVITY A70]	<b>Enhanced civil-military cooperation (TSA/TRA optimisation, increased use of CDRs, LARA at FAB level)</b>			
[TASK A70.T01]	Enhanced civil-military cooperation (TSA/TRA optimisation, increased use of CDRs, LARA at FAB level)	2015-2019	N/A	SAPSC
[ACTIVITY A71]	<b>Enhanced civil-military coordination and other activities</b>			

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A71.T01] Harmonisation of current procedures to handle civil-military coordination during Air Policing and other operational flights	2015-2019	National procedures in place for civil/military coordination. Wording updated from SP to shift focus to harmonisation	SAPSC

## A.10 AIS

Implementation Project Manager: Martina Stoyanova, supported by Daniela Yorfanova and Valentina Georgieva / Mirela Ionescu

Estimated team effort in 2015 (man-days): 60 / 60

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A72] Maintain AIS services compliance with SESAR, ICAO and EU regulations and standards</b>			
[TASK A72.T01] Annual revision of AIS international standards compliance document.	Dec 2015	N/A	AIS Experts
<b>[ACTIVITY A73] Maintain AIS CONOPS</b>			
[TASK A73.T01] Annual review of AIS aspects in DANUBE FAB CONOPS and update AIS related aspects if considered necessary.	Dec 2015	N/A	AIS Experts
<b>[ACTIVITY A74] AIS KPI Harmonisation</b>			
[TASK A74.T01] Study opportunities to align national KPIs and, if appropriate, adopt a common KPI set	Feb 2015	N/A	AIS Experts
[TASK A74.T02] Prepare draft amendments to Bulgarian QMS manuals to include revised common KPIs	Jun 2015	N/A	AIS Experts, Quality Experts
[TASK A74.T03] Prepare draft amendments to Romanian QMS manuals to include revised common KPIs	Jun 2015	N/A	AIS Experts, Quality Experts
<b>[ACTIVITY A75] DANUBE FAB Contingency Plan for NOTAM</b>			
[TASK A75.T01] Identify common set of measures to adopt in case of NOTAM degradation scenario	Mar 2015	N/A	Head ARO&NOTAM, ATS Sofia
[TASK A75.T02] Study the development of a DANUBE FAB contingency plan for NOTAM	Oct 2015	N/A	Head ARO&NOTAM, ATS Sofia

## A.11 MET SERVICES

Implementation Project Manager: Viktoria Fitova / Dorinel Visoiu

Estimated team effort in 2015 (man-days): 30 / 30

*Note: Following the meeting of the DANUBE FAB MET WG which took place 15<sup>th</sup>-17<sup>th</sup> December 2014 a number of the tasks established in the Strategic Program 2015 – 2019 were completed, and have therefore been removed from the Annual Plan 2015.*



Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A76] Maintain MET services compliance with international standards</b>				
[TASK A76.T01]	Annual revision of MET international standards compliance document.	May 2015	N/A	MET experts
<b>[ACTIVITY A77] Ensure coordinated MET training is provided for all MET Staff to common syllabus</b>				
[TASK A77.T01]	Annual report on combined MET staff with summary of recent training provided and training history.	Dec 2015	N/A	MET experts
[TASK A77.T02]	Participate in the update of the common DANUBE FAB training policy and input for the MET domain	Dec 2015	N/A	MET experts
<b>[ACTIVITY A78] Maintain MET CONOPS</b>				
[TASK A78.T01]	Annual review of MET aspects in DANUBE FAB CONOPS and update if considered necessary.	Dec 2015	N/A	MET experts
<b>[ACTIVITY A79] Harmonisation of services and exchange of GAMET (BULATSA) AND LL SIGWX (ROMATSA)</b>				
[TASK A79.T01]	Feasibility study to analyse possible upgrade of MET systems to be able to interface to AMHS	2015	N/A	MET experts
[TASK A79.T02]	Upgrade MET systems to be able to interface to AMHS (as required)	2015	N/A	MET experts
<b>[ACTIVITY A80] Coordination between MWCs for issuing coherent SIGMETs</b>				
[TASK A80.T01]	Implement the common working procedure for issuing coherent SIGMETs	Mar 2015	N/A	MET experts
<b>[ACTIVITY A81] Harmonisation of Low Level Significant Weather Charts</b>				
[TASK A81.T01]	Complete acquisition procedures of the new forecaster workstations	Jun 2015	N/A	MET experts
[TASK A81.T02]	Commissioning of new forecaster workstation and implementation of the agreed form of the SWL chart	Jun 2015	N/A	MET experts
<b>[ACTIVITY A82] Harmonisation of MET KPIs</b>				
[TASK A82.T01]	Propose modifications to ROMATSA and BULATSA QMS Manuals and related procedures, for improving the MET objectives.	Dec 2015	N/A	MET experts, Quality Experts
<b>[ACTIVITY A83] Establish common minimum levels of service for MET service provision within DANUBE FAB</b>				
[TASK A83.T01]	First draft for the MLS procedure framework for aeronautical meteorological services	Mar 2015	N/A	MET experts
[TASK A83.T02]	Resolve legal aspects with the NSAs for MSL implementation	Jun 2015	N/A	MET experts, Legal experts
[TASK A83.T03]	Finalise MLS procedure framework for aeronautical meteorological services	Sep 2015	Revised deadline	MET experts
[TASK A83.T04]	National implementation of MLS for meteorological services	Dec 2015	N/A	MET experts
<b>[ACTIVITY A84] Mutual access to MET databases</b>				
[TASK A84.T01]	Complete testing and study of costs and feasibility to implement request / reply data exchange via datalink.	Mar 2015	N/A	MET experts
[TASK A84.T02]	Feasibility study to analyse possible usage of AMHS for request / reply	Dec 2015	N/A	MET experts
[TASK A84.T03]	Upgrade MET systems to be able to interface to AMHS for request / reply (if required)	Jun 2015	N/A	MET experts
<b>[ACTIVITY A85] Contingency for MET self-briefing applications</b>				
[TASK A85.T01]	Annual review of coordinated actions to develop MET self briefing applications	Dec 2015	N/A	MET experts
<b>[ACTIVITY A86] Harmonization of the policy for training and assessment for AMP</b>				
[TASK A86.T01]	Training concept for MET domain, applicable within the DANUBE FAB	Mar 2015	N/A	MET experts
[TASK A86.T02]	Develop common long term plan for implementation of WMO requirements and implementation deadlines	May 2015	N/A	MET experts



Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A86.T03]	Develop revised competence scheme and competence assessment structure	June 2015	N/A	MET experts
[TASK A86.T04]	Develop training structure and syllabus	Sep 2015	N/A	MET experts
[TASK A86.T05]	Annual coordination meetings of BULATSA and ROMATSA MET training managers	Mar 2015	Revised deadline	MET experts
[TASK A86.T06]	Annual report of recent training provided and training history for MET staff	Dec 2015	N/A	MET experts
<b>[ACTIVITY A87] Common principles for the use of automation versus human assistance</b>				
[TASK A87.T01]	First draft of framework procedure for METAR AUTO on airports within DANUBE FAB	Mar 2015	N/A	MET experts
[TASK A87.T02]	Resolve legal aspects with NSA for MSL implementation	Jul 2015	Revised Deadline	MET experts
[TASK A87.T03]	Finalise framework procedure for METAR AUTO on airports within DANUBE FAB	Sept 2015	N/A	MET experts
[TASK A87.T04]	Operational implementation on national basis of METAR AUTO	Dec 2015	N/A	MET experts
<b>[ACTIVITY A88] Meteorological Radar Data Exchange</b>				
[TASK A88.T01]	Start the exchange of the raw data and integrated products	Jan 2015	N/A	MET experts
[TASK A88.T02]	Finalise the software applications for decoding and integrating the MET radar data	Mar 2015	N/A	MET experts
<b>[ACTIVITY A89] Approach to volcanic ash or other contaminants</b>				
[TASK A89.T01]	Develop common working procedure for exchanging information regarding contaminants such as volcanic ash	May 2015	N/A	MET experts
[TASK A89.T02]	Implement common working procedure for exchange of information regarding contaminants	Sept 2015	N/A	MET experts

## A.12 SAFETY MANAGEMENT

Implementation Project Manager: Petar Dimitrov/ Valentin Miroiu

Estimated team effort in 2015 (man-days): 50 / 50

Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A90] Ongoing updates of the safety case and safety policy</b>				
[TASK A90.T01]	Review and update of safety occurrence reporting and investigation procedures (e.g. in case of cross-border provision)	Q4 2015	Revised date	Safety experts
[TASK A90.T02]	Annual review and revision (as necessary) of the DANUBE FAB Safety Case	2015 – 2019	N/A	Safety experts
<b>[ACTIVITY A91] Annual review and update (as necessary) of the Common generic safety management manual</b>				
[TASK A91.T01]	Annual review and update (as necessary) of the Common generic safety management manual	Q4 / 2015	Revised date	Safety experts
<b>[ACTIVITY A92] Implementation of a common set of DF safety KPIs</b>				
[TASK A92.T01]	Implementation of a common set of DF safety KPIs	2015 – 2019	N/A	Safety experts
<b>[ACTIVITY A93] Use of RAT for severity assessment of ATM occurrences</b>				
[TASK A93.T01]	Implement RAT for the classification of all reported occurrences	2015 – 2019	N/A	Safety experts
<b>[ACTIVITY A94] Hold joint workshop, with the support of EUROCONTROL, to exchange experience in the use of RAT</b>				



Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A94.T01]	Hold joint workshop, with the support of EUROCONTROL, to exchange experience in the use of RAT	2015 – 2019	N/A	Safety experts
<b>[ACTIVITY A95] Safety culture measurement and improvement</b>				
[TASK A95.T01]	Share information on ANSP safety culture, including safety culture survey reports and improvement plans/actions	ongoing process periodic	N/A	Safety experts
[TASK A95.T02]	Coordinate and collaborate in the conduct of the safety culture surveys within the service providers' organisations	2015 – 2019	N/A	Safety experts
<b>[ACTIVITY A96] Development of DF safety targets</b>				
[TASK A96.T01]	Share information on national/ANSP safety targets and achieved safety levels	ongoing process, periodic	N/A	Safety experts
[TASK A96.T02]	Contribute to the development of FAB level safety targets for RP2, as required	ongoing process, periodic	N/A	Safety experts
<b>[ACTIVITY A97] Implementation of DF safety performance monitoring</b>				
[TASK A97.T01]	Share information on national/ANSP safety performance indicators and monitoring arrangements	ongoing process, periodic	N/A	Safety experts
[TASK A97.T02]	Implement the FAB safety performance monitoring arrangements and process at ANSP level	Arrangements as specified in the common DF Safety Management Manual	N/A	Safety experts
<b>[ACTIVITY A98] Coordinated adoption of best safety practices</b>				
[TASK A98.T01]	Analyse ANSPs' safety management arrangements and processes and identify areas of improvement	periodic, annually	N/A	Safety experts
[TASK A98.T02]	Carry out dedicated study of best practices in the areas of common interest	2015 – 2019		Safety experts
[TASK A98.T03]	Conduct implementation workshops with concerned staff of FAB ANSPs	2015 – 2019	N/A	Safety experts
[TASK A98.T04]	Adopt the proposed best practice and amend SMMs, arrangements and processes, as appropriate	2015 – 2019	N/A	Safety experts
[TASK A98.T05]	Train concerned staff, as applicable	2015 – 2019	N/A	Safety experts
[TASK A98.T06]	Implement the best practice	2015 – 2019	N/A	Safety experts

## A.13 QUALITY & ENVIRONMENTAL MANAGEMENT SYSTEMS

Implementation Project Manager: Marin Petrov / Anca Barca

Estimated team effort in 2015 (man-days): 50 / 50

Actions		Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A99] Development and monitoring of environmental KPIs for RP2 at FAB level as they will be set in performance scheme</b>				
[TASK A99.T01]	Development of environmental KPIs for RP2 at FAB level as they will be set in the performance scheme	2015-2017	N/A	Operational, Technical, Quality & Environmental Experts

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
[TASK A99.T02] Monitoring of environmental KPIs for RP2 at FAB level as they will be set in performance scheme	2015 – 2019	N/A	Operational, Technical, Quality & Environmental Experts
<b>[ACTIVITY A100] Harmonised management systems for Quality and Environment</b>			
[TASK A100.T01] Harmonise activities, procedures, documentation and records, related to QMS/EMS;	2015 – 2019	N/A	Quality & Environmental Experts
[TASK A100.T02] Development of a programme for joint activities to continuous improvement of the harmonized QMS/EMS in BULSATSA and ROMATSA	2015 – 2019	N/A	Quality & Environmental Experts
[TASK A100.T03] Participation in regular meetings with representatives of the customers and stakeholders	2015 – 2019	N/A	Quality & Environmental Experts, Operational, Technical, Performance Experts, and all the interested parties
[TASK A100.T04] Analysis and improvement of the system of indicators for monitoring of the effectiveness of the activities and processes in BULATSA and ROMATSA	2015 – 2019	N/A	Quality & Environmental Experts
[TASK A100.T05] Exchange and disseminate internal audit findings in both ANSP's	2015 – 2019	N/A	Quality & Environmental Experts
[TASK A100.T06] Participation of common training for experts / auditors	2015 – 2019	N/A	Quality & Environmental Experts

## A.14 ATM SECURITY MANAGEMENT SYSTEMS

Implementation Project Manager: Kiril Grahovski, Daniela Vassileva / Andrei Herța

Estimated team effort in 2015 (man-days): 30 / 30

Actions	Period / Deadline	Change to SP 2015-2019	Responsible Experts or Entity
<b>[ACTIVITY A101] ATM Security Roadmap</b>			
[TASK A101.T01] BULATSAs ISMS and ROMATSA IT&C security Management Manuals review.	2015 – 2017	N/A	Security Experts / Information Security Dept, Technical Directorate
[TASK A101.T02] DANUBE FAB ATM security reporting procedure – Development of a common procedure for reporting of acts of unlawful interference.	2015 – 2017	N/A	Security Experts / Information Security Dept, Technical Directorate
<b>[ACTIVITY A102] Ongoing activities</b>			
[TASK A102.T01] Mutual notifications in case that significant changes are introduced in the SecMSs of BULATSA and ROMATSA	2015 – 2017	N/A	Security Experts / Information Security Dept, Technical Directorate
[TASK A102.T02] When new national or international legislation in the Security domain is being introduced, BULATSA and ROMATSA shall coordinate the matter and decide what appropriate course of action, if any, is needed	2015 – 2017	N/A	Security Experts / Information Security Dept, Technical Directorate



Actions	Period / Deadline	Change to SP 2015- 2019	Responsible Experts or Entity
[TASK A102.T03] Defining DANUBE FAB Security Indicators	2015 – 2017	N/A	Security Experts / Information Security Dept, Technical Directorate