

APPENDIX – G

PROJECT: EUR/SAM CORRIDOR AIRSPACE CONCEPT

<i>SAT Region</i>	PROJECT DESCRIPTION (PD)		
Title of the Project		Starting date	Ending date
Meetings on The Improvement of Air Traffic Services over the South Atlantic (SAT)	EUR/SAM CORRIDOR AIRSPACE CONCEPT <i>Project Coordinator: Nuno Simoes (Portugal)</i>	2015	2020
Objective	The objective of the Project is the gradual implementation of the EUR/SAM Airspace Concept, which through optimized ATS Routes and ADS-C, CPDLC and PBN requirements, would allow lateral and longitudinal separation reduction and optimum flight level allocation. Free route concept will be gradually introduced according to PBN and ADS-C/CPDLC requirements and appropriate separation.		
Scope	The scope of the Project is to produce the high level deliverables and documentation models (letter of agreements, AIC, AIP Supplements, etc.), in order to offer the necessary support to States for the gradual implementation of a short, medium and long term EUR/SAM Airspace Concept, applying ADS-C, CPDLC and PBN requirements.		
Metrics	<ul style="list-style-type: none"> • Efficiency: NM, Fuel and CO2 savings. • Target of Level of Safety. 		
Strategy	The Project will follow the following strategic framework: <ul style="list-style-type: none"> - The other deliverables will be developed by members of the SAT Study Group on the Improvement of the Airspace Structure in the EUR/SAM Corridor (IAS/SG), under coordination of the Project Coordinator and support provided by SAM and WACAF ICAO Offices. - The initial reference for the work to be developed will be the Road Map presented to the SAT 19 meeting (refers to the appendix M to the SAT 19 Final Report). - SATMA/CFRA will monitor the preliminary and post phase implementations in accordance with TOR's, where all involved States will provide the necessary data. 		

Goals	Reduce the fuel burn and CO2 emissions. □ Improve Safety □ Improve the capacity of the EUR/SAM Airspace
Justification	The 38 th ICAO General Assembly approved the Global Air Navigation Capacity & Efficiency Plan for the period 2013-2018. The Global Plan Aviation System Block Upgrades (ASBU) will enable aviation to visualize global harmonization, capacity increase and the improvement of environmental efficiency that modern air traffic growth is currently demanding in every region around the world. In this sense, the PBN was selected as one of the main objectives to be complied with, in order to obtain improvement in safety and efficiency. The gradual implementation of the EUR/SAM Airspace Concept, would allow States, Air Navigation Service Providers and users to comply with safety and efficiency strategic objectives applying ADS-C, CPDLC and PBN requirements.
Related projects	<ul style="list-style-type: none"> • States: ADS-C/CPDLC Implementation and Maintenance. • Users: PBN (RNP10/RNP4) Airworthiness and Operations Approval

Project Deliverables	Responsible	Status of implementation*	Delivery date	Remarks
Development of the Draft of the EUR/SAM Corridor Airspace Concept Action Plan.	SAM Office		March 04, 2015	
Teleconference on discussion of the Draft of the EUR/SAM Corridor Airspace Concept Action Plan.	Project Coordinator		March 11, 2015	
Formal Approval of the Draft of the EUR/SAM Corridor Airspace Concept Action Plan.	SAM and WACAF ICAO Offices		SAT 20 3 rd to 5 th June 2015	
Designation of Focal points	States/ANSPs/SATMA		SAT 20 3 rd to 5 th June 2015	List of Focal Points designated to follow and contribute for the different phases of the action plan.
Monthly Teleconference to follow up the status of the Project Deliverables Development	Project Coordinator		Every first Wednesday of each month	The number of teleconferences could be increased or reduced, at the IAS discretion, depending on the work to be developed.

Code	Project Deliverables	Responsible	Status of implementation*	Delivery date	Remarks
	5 minutes Longitudinal Separation minima based on RSP/RCP/RNP10				
EUR/SAM_1.1	Approval of Doc4444 5.4.2.9 “Longitudinal separation minima” in EUR/SAM Corridor States National Regulations	States		TBD	
EUR/SAM_1.2	RNP10/RSP180/RCP240 ANSP Requirements Operator Requirements Flight Plan	IATA/ANSP		TBD	States and operators inform about their Systems and fleet status regarding RSP/RCP ANSP systems update and ANSP Safety Studies (ICAO CIRCULAR 343-AN/201)
EUR/SAM_1.3	Global evaluation of ADS-C/CPDLC Ground Systems Performance against RCP and RSP in the corridor, to determine the feasibility of Data Link Mandate	CFRA/ANSP		TBD	Evaluation of the ADS-C/CPDLC Ground Systems Performance against RCP and RSP. RCP/RSP for Operators Flight Plan cover
EUR/SAM_1.5	Safety Assessment Report States Implementation Hazards Log Operators requirements GO-NO GO Decision	SATMA/CFRA/ IATA/STATES		SAT23	
EUR/SAM_1.6	Operational Procedures	States		TBD	
EUR/SAM_1.7	AIC EUR/SAM Corridor DL Mandate: Development of AIC, AIP Supplement and letter of operational agreement to support 5 minutes Longitudinal Separation for States involved on the implementation	SATMA States/ANSP IAS Members		TBD	
EUR/SAM_1.8	Post-implementation Monitoring of the 5 minutes Longitudinal Separation under Data Link Mandate	SATMA States/ANSP IAS Members		SAT 24	