



EANPG PROGRAMME COORDINATING GROUP (COG/72)

Combined with

RASG-EUR COORDINATION GROUP (RCOG/09)

(Paris, France, 23 to 26 October 2018)

Agenda Item 4.3: CNS/MET issues

AFSG terms of reference

(Presented by the Secretariat)

SUMMARY

This paper presents the outcome of the Aeronautical Fixed Services Group ToR review by the EANPG TPT.

1. Introduction

1.1 The Seventy-First Meeting of the EANPG Programme Coordinating Group (COG/71) combined with the Eighth Meeting of the RASG-EUR Coordination Group (RCOG/08) was held in the ICAO European and North Atlantic Office from 16 to 18 May 2018.

1.2 The Meeting noted the outcomes of AFSG/22 and a proposal from the ICAO EUR/NAT to conduct a critical review of the AFSG ToR. It was noted that the AFSG annual plenary meeting was supported by the work of the Planning (4 meetings in 2018) and Operations (3 meetings in 2018) sub-groups. It was noted that the AFSG played a very important role in ensuring a coordinated implementation of AMHS, maintenance of a number of ICAO EUR AFS-related documents and operational support of the existing ground communications systems in the ICAO EUR Region. However, in view of a very good progress made on AMHS implementation and establishment of the ICAO EUR SWIM project team, the need for continuation of AFSG might need to be reviewed.

1.3 The Meeting noted that this proposal would need to be carefully examined to ensure that there was no disruption of the established processes and nothing was lost as a result of the proposed transformation. One important element was to ensure that the AFSG-maintained ICAO EUR documents were kept updated. The Meeting was informed that the ICAO EUR/NAT was coordinating with EUROCONTROL to determine if this function could be overtaken by EUROCONTROL so that the proposals for amendment to the ICAO EUR Documents would be submitted directly to the EANPG/COG for review and approval whenever needed.

1.4 The COG71/RCOG08 agreed that the ICAO EUR/NAT would prepare a working paper to the next meeting assessing all potential consequences of the intended discontinuation of the AFSG and proposing measures to mitigate risks. The Meeting participants were invited to contact the ICAO EUR/NAT to provide their views to support the preparation of the above-mentioned working paper

2. Discussion

2.1 The EANPG AFSG was established in 1997 by EANPG Decision 39/35. The main objectives per Terms of reference (EUR Doc 001 and Appendix A to the WP refer) are:

- a) Ensure the continuous and coherent development of the relevant sections of the European eANP, *Regional Supplementary Procedures* (SUPPS) (Doc 7030) and other relevant Regional documents, including EUR Doc 005 “EUR CIDIN Manual”, EUR Doc 020 “EUR AMHS Manual”, EUR Doc 021 “ATS Messaging Management Manual”, EUR Doc 022 “EUR AFS Security Guidelines”, EUR Doc 026 “EUR AMHS COM Centre Training Guidelines”, EUR Doc 027 “IP Infrastructure Test Guidelines for EUR AMHS”, EUR Doc 028 “EUR NSAP Address Registry” taking into account the evolving operational requirements in the EUR Region and the need for harmonization with the adjacent regions in compliance with the Global Air Navigation Plan (Doc 9754);
- b) Monitor and coordinate implementation of the relevant ICAO SARPs and regional procedures, facilities and services by the EUR States and where necessary ensure harmonization, taking due account of financial and institutional issues;
- c) Identify any deficiencies in the AFS related matters in the EUR Region and ensure the development and implementation of relevant action plans by the States to resolve them;
- d) Foster implementation by facilitating the exchange of know-how and transfer of knowledge and experience among States of the Region;
- e) Provide input to the work of appropriate ICAO bodies in the field of AFS, according to the established procedures.

2.2 The work of the AFSG (1 plenary per year- 5 working days- about 60 participants) is supported by the Operations sub-group (3 meetings per year- each about 3 days long- 20-25 participants) and Planning sub-group (4 meetings per year- each about 3 days long- 20-25 participants). On average, this results in 630 man/days per year spent by EUR stakeholders to support this work. For the ICAO EUR/NAT, the effort equals to 30 man/days per year (5 days plenary, 5 days preparation and 5 days follow-up by 1 officer and 1 assistant).

2.3 The details of the current OG and PG tasks are provided in Appendix B. Appendix C provides some updates of the ToR that are currently under discussion within the AFSG.

2.4 In summary, the main function of the OG is to monitor and support the EUR AFS day-by-day operations. The OG also maintains the following EUR AFS-related documents:

- a) ICAO EUR Doc 005 – EUR CIDIN Manual;
- b) ICAO EUR Doc 021 – ATS Messaging Management Manual;
- c) ICAO EUR Doc 026 – EUR AMHS COM Centre Training Guidelines;
- d) EUR/NAT Routing Directory (ENRD) Part 1 & Part IV;
- e) ICAO EUR Doc 035 - AMHS/Third Party Interconnection Architecture;
- f) “Coordination Guidelines for PENS-interconnected COM Centres”; and
- g) “AMHS NDR Handling Advise”.

2.5 The PG’s role is more planning of future and ongoing implementations, e.g transition to IPv6. The PG is also responsible for the maintenance of:

- a) ICAO EUR Doc 020 - EUR AMHS Manual;

- b) ICAO EUR Doc 022R - EUR AFS Security Guidelines;
- c) ICAO EUR Doc 027 - IP Infrastructure Test Guidelines for EUR AMHS;
- d) ICAO EUR Doc 028 - EUR NSAP Address Registry;
- e) ICAO EUR Doc 036 - EUR AGVN Legacy Numbering Plan;
- f) ICAO EUR Doc 037R - EUR IPv6 address Space Allocation; and
- g) “Inventory of AMHS Documentation used in EUR”.

2.6 The ICAO EUR/NAT is of the opinion, that some of these documents (e.g. ENRD, Doc027, Doc 028, Doc 037R) can be maintained by the ICAO EUR/NAT based on inputs from States and organisations. Amendments to the documents often also involve EUROCONTROL in the preparation phase. Other EUR documents in view of the availability of ICAO global manuals may not need to be amended too frequently. In any case, whenever such amendments are needed, any State or organisation can submit those proposals to ICAO EUR/NAT which will further process them through EANPG.

2.7 Concerning the other remaining AFSG tasks, the ICAO EUR/NAT may consider organising EUR regional workshops/symposia with a periodicity of 1-3 years. This would remove the need for regular meetings of a regular group.

2.8 In view of the above, the following issues need to be discussed to enable further restructuring and optimisation of the AFSG working arrangement:

- a) Transition to SWIM. Discussion needs to take place with the SWIM PT to identify what current AFSG tasks could be managed through the SWIM PT. One of the concerns raised, is that EUR States and ANSPs need a forum to plan transition of their AFS network to support SWIM and to share information on the progress of this activity. The SWIM PT may be a forum for such discussions. The 1st SWIM PT meeting would be an opportunity to initiate this discussion,
- b) Maintenance of AMC and EDS. AMC and EDS are services provided by EUROCONTROL to the whole EUR in support of AFS network operations. Currently operational discussions and decisions are taking place within the AFSG. Potentially in the future this discussion may take place within the EUROCONTROL with coordination through the ICAO EUR/NAT Office with non-Eurocontrol member States, when required. Coordination needs to take place between ICAO EUR/NAT and EUROCONTROL to formalise such arrangements.
- c) Maintenance of EUR AFS-related documents. As discussed in para 2.6 above, the formal approval and publication of ICAO EUR documents shall still take place at the EANPG/COG level with facilitation of the ICAO EUR/NAT Office. When necessary, technical level discussions can take place within the EUROCONTROL and ICAO EUR contributory bodies, as required. Coordination needs to take place between ICAO EUR/NAT and EUROCONTROL to determine such arrangements.
- d) Once the foregoing 3 issues have been discussed and clarified, AGSF needs to discuss and identify any possible remaining gaps and propose how those gaps can be addressed within the ICAO EUR working structure.

2.9 In view of the above, the following is proposed:

Why	Improve the efficiency of the EANPG working arrangements and optimise its work
------------	--

	structure
What	Review of the EANPG AFSG working structure
Who	ICAO RD, EUR/NAT; EUROCONTROL;AFSG
When	1 Dec 2018

Draft EANPG/60 RASG-EUR/07 Conclusion/xx – Restructuring and future discontinuation of AFSG

That, in view of the envisaged discontinuation of the EANPG AFSG by December 2019:

- a) the ICAO EUR/NAT, EUROCONTROL are invited to review the EANPG AFSG ToR to determine ways and means to address the management of AMC/EDS and maintenance of EUR AFS-related documents through other than AFSG working arrangements
- b) AFSG to review its ToR to identify any potential gaps and propose possible mechanisms to address those gaps through the ICAO EUR/NAT working structure

3. Action by the Meeting

3.1 The COG RCOG is invited to:

- a) note information presented; and
- b) agree with the proposed draft Conclusions.

Appendix A

AERONAUTICAL FIXED SERVICES GROUP (AFSG)

Establishment 1997 - EANPG Decision 39/35

Terms of reference

The Aeronautical Fixed Services Group (AFSG) is established by EANPG to pursue the tasks and issues related to Aeronautical Fixed Service (AFS) in support to the relevant ICAO Strategic Objectives with the following TORs:

- a) Ensure the continuous and coherent development of the relevant sections of the European eANP, *Regional Supplementary Procedures* (SUPPS) (Doc 7030) and other relevant Regional documents, including EUR Doc 005 “EUR CIDIN Manual”, EUR Doc 020 “EUR AMHS Manual”, EUR Doc 021 “ATS Messaging Management Manual”, EUR Doc 022 “EUR AFS Security Guidelines”, EUR Doc 026 “EUR AMHS COM Centre Training Guidelines”, EUR Doc 027 “IP Infrastructure Test Guidelines for EUR AMHS”, EUR Doc 028 “EUR NSAP Address Registry” taking into account the evolving operational requirements in the EUR Region and the need for harmonization with the adjacent regions in compliance with the Global Air Navigation Plan (Doc 9754);
- b) Monitor and coordinate implementation of the relevant ICAO SARPs and regional procedures, facilities and services by the EUR States and where necessary ensure harmonization, taking due account of financial and institutional issues;
- c) Identify any deficiencies in the AFS related matters in the EUR Region and ensure the development and implementation of relevant action plans by the States to resolve them;
- d) Foster implementation by facilitating the exchange of know-how and transfer of knowledge and experience among States of the Region;
- e) Provide input to the work of appropriate ICAO bodies in the field of AFS, according to the established procedures.

Work Programme

To ensure that the objectives of AFSG are met in accordance with the TORs, the group shall conduct its work according to a Work Programme endorsed by EANPG and kept under review by EANPG COG. The following are the main principles to be followed in setting up the Work Programme of AFSG:

- a) The Work Programme shall be composed of tasks and projects with clearly identified deliverables, target dates and responsibilities;
- b) The tasks/projects should cover the main implementation domains related to AFS which are subject to Regional planning and implementation;
- c) The progress on the tasks/projects should be reviewed regularly by AFSG and reported to COG and EANPG to ensure that the target dates are met and the deliverables are of required quality.
- d) To facilitate the execution of its work programme, AFSG may set up temporary working arrangements in the form of working sub-groups, study groups, task force and project teams, if and when required, charge them with specific tasks and define target dates for the completion. These bodies shall work under the guidance of and in a close coordination with the ICAO EUR/NAT in the most time effective and result oriented way, with as fewer formalities as possible, and preferably by means of electronic communication. These bodies are dissolved after completion of the task(s);

- e) The AFSG Work programme is an integral part of the general EANPG Work programme and is attached to the latest EANPG Meeting report;
- f) The detailed AFSG Task List providing a broke down list of actions aimed to fulfil the objectives of the Work programme is included in the latest AFSG Summary of Discussions.

In conducting its activities, AFSG should follow the following guidance given to the Group by the EANPG COG:

- a) Maintain close coordination with relevant EANPG contributory bodies to ensure harmonious development of the EUR air navigation system as a whole;
- b) Conduct periodic reviews and originate, as necessary, proposals for amendment of the relevant sections of the eANP, EUR SUPPs (Doc 7030), EUR Doc 005, EUR Doc 020, EUR Doc 021;
- c) Develop and maintain any other documentation related to the safe, secure and efficient implementation and operation of the EUR AFS.
- d) Seek co-ordination and harmonization with the relevant planning and implementation activities in other ICAO Regions;
- e) Use different techniques to monitor implementation in the States (such as, regional surveys, monitoring exercises, regional tests and simulations, etc.) and identify deficiencies; conduct risk analysis to prioritize the identified deficiencies and prepare proposals to EANPG to ensure the urgent resolution of safety-related AFS deficiencies;
- f) Identify areas where assistance to individual States or sub-regions is necessary to eliminate deficiencies and improve harmonized implementation of the AFS through the established mechanisms and prepare proposals thereon;
- g) Ensure close liaison with EANPG groups and with relevant ICAO Air Navigation Commission (ANC) panels/study groups in addressing AFS related matters; Provide feedback received from States on problems impeding implementation which need to be addressed by appropriate ICAO bodies;
- h) Assist the Secretariat in developing and keeping up-to-date of Regional guidance material as necessary to foster the implementation by the States of the global requirements and Regional procedures on AFS related matters;
- i) Prepare proposals and support organisation of regional seminars and workshops in the AFS field with emphasis on implementation issues;
- j) Coordinate Regional activities in the field of AFS; liaise closely with relevant international organisations on issues of common interest;
- k) Identify and refer to COG and EANPG the emerging operational and institutional issues related to the planning and implementation of the AFS services and facilities order to ensure that such issues are addressed in a coherent manner with the respective ICAO plans, strategies and provisions.

Composition of the AFSG

Representatives from all ICAO Contracting States Representatives from all ICAO Contracting States and who are service providers in the EUR air navigation region and part of EUR ANP and International Organisations (EUROCONTROL and IATA)

Appendix B
Aeronautical Fixed Service Group (AFSG) Work Programme Proposed by AFSG/22
Part 1 – AFSG Operations Group

	Title/Brief description	Deliverables	Action by	Target Date
1	AMC Operation	Perform oversight of AMC operation, as determined in the ATS Messaging Management Manual.	OG	ongoing
2	AMC Maintenance	Support of the implementation of AMC enhancements and problem fixes.	OG	ongoing
3	Operational Network issues	Monitor and address short-term problems in network operations. Take appropriate action, from resolving minor issues, to recommending action to the AFSG for more serious matters.	OG	ongoing
4	Co-ordination with COM Centres in adjacent Regions	Ensure co-ordination and co-operation on AFTN/AMHS matters with adjacent Regions (especially for those involved in AMC Operation).	OG	ongoing
5	Operational Networks technical requirements issues	1) Maintain an overview of technical requirements difficulties being experienced on the operational network and take appropriate action, from resolving minor issues, to recommending action to the AFSG for more serious matters.	OG	ongoing
6	Handling of operational events	Provision of handling advice of operational events for COM Centre operators and end users (e.g. NDR Handling).	OG	ongoing
7	ATSMHS transition issues	Maintain an overview of AMHS transition issues and take appropriate action, from resolving minor issues, to recommending action to the AFSG for more serious matters.	OG	ongoing
8	Third Party AMHS Gateways	Monitor and support the implementation activities of the Third Party AMHS Gateways in a mixed AFTN/AMHS environment in EUR Region.	OG	Ongoing
9	AMC Global Routing	Completion of AMC Global Routing implementation <ul style="list-style-type: none"> • Publish the routing tables for States outside of EUR/NAT Region on the operational AMC Application; • Invite External COM Centre Operators and Regional Focal Points to participate to AMC training in IANS or a suitable Regional ICAO office; and • Invite COM Centres in the other Regions to review their routing tables and coordinate how they wish to manage their routing tables directly or through a Regional Focal Point. 	OG, AMC	Ongoing

	Title/Brief description	Deliverables	Action by	Target Date
10	Maintenance and update of Documentation	<ul style="list-style-type: none"> Update and regular publication of the COM Charts in the AMC in accordance with the AFSG procedures. 	OG, AMC	ongoing
		<ul style="list-style-type: none"> ICAO EUR Doc 005 – EUR CIDIN Manual; ICAO EUR Doc 021 – ATS Messaging Management Manual; ICAO EUR Doc 026 – EUR AMHS COM Centre Training Guidelines; EUR/NAT Routing Directory (ENRD) Part 1 & Part IV; ICAO EUR Doc 035 - AMHS/Third Party Interconnection Architecture; “Coordination Guidelines for PENS-interconnected COM Centres”; and “AMHS NDR Handling Advise”. 	OG	ongoing
11	Integration of new States	Preparation and integration of COM Centre Alger into the EUR AFS network.	OG	AFSG/23
12	Operational uses of local DSA	Development of guidance material for use of local DSA in line with EDS operational concept.	OG	AFSG/23

Part 2 – AFSG Operations Group & AFSG Planning Group

13	ATN	<ul style="list-style-type: none"> ⇒ Overview and analysis of the various implementation activities of ATN in EUR, in order to evaluate eventual impact on the AFS in EUR and Inter-Regionally. 	OG, PG	Ongoing
14	EUR COM Centers FTBP capability	<ul style="list-style-type: none"> Review COM Centres FTBP capability in the EUR Region to highlight restrictions concerning the relay of FTBP. Review AMHS stress tests documentation by taking into account FTBP. 	OG, PG	AFSG/23
15	SWIM Project Team TOR	n) Review the “Terms of reference” of the ICAO EUR SWIM Project Team and report to ICAO EUR/NAT Secretariat.	OG, PG	Before August 2018
16	AFSG TOR	o) Review the “Terms of reference” of the AFSG and report to ICAO EUR/NAT Secretariat.	OG, PG	September 21 st 2018

Part 3 – AFSG Planning Group

17	Maintain the AFS	<ul style="list-style-type: none"> Monitoring of transition to IPv6. 	PG	Ongoing
----	------------------	---	----	---------

	material in the EUR eANP	<ul style="list-style-type: none"> • Maintenance of the AFS Tables in the EUR eANP. • Review the regional ATN transition strategy as part of the EUR eANP. • Review of the EUR eANP provisions for the AFS requirements of SWIM. <p>Note: Inputs from GANP, PENS/NewPENS, AIM, MET and SWIM/SESAR activities are anticipated.</p>		
18	Directory Services	<ul style="list-style-type: none"> • Refinement of the EUR AFS documentation where needed. • Monitoring of testing and implementation of EDS in cooperation with EUROCONTROL. 	PG	Ongoing
19	ATSMHS implementation issues	<ul style="list-style-type: none"> • Maintain close cooperation with EUROCONTROL and other bodies on AMHS implementation issues. • Provision of initial support/guidance to States for AMHS implementation. • Study of issues particular to AMHS implementation in the EUR Region. • Monitoring of operational needs on AMHS implementation in association with AMHS Basic and Extended services. • Monitoring of interoperability trials and operational experiences in cooperation with AFSG Operations Group. 	PG	Ongoing
20	Development of TCP/IP WAN	p) Monitoring of the deployment and operations of PENS/NewPENS and other IP networks, providing support when required.	PG	Ongoing
21	OPMET Digital Data implementation	<ul style="list-style-type: none"> • Optimization of the provisions relevant to OPMET digital data implementation based on testing experience and information from the DMG. • Monitor and support the exchange of OPMET digital data in the EUR AFS and in the Inter-Regional gateways. • Support the DMG to define and monitor implementation planning of AMHS links by States to their associated ROC. 	PG	Ongoing
22	FF-ICE/1 implementation	q) Development of an AMHS profile for the exchange of FF-ICE/1 messages.	PG	AFSG/23
23	SWIM	<ul style="list-style-type: none"> • Overview and analysis of SWIM activities, in order to evaluate eventual impact on the AFS in EUR and Inter-Regionally. • Examine the technological aspects and the governance of SWIM. 	PG	Ongoing
24	Maintenance and update of Documentation	<ul style="list-style-type: none"> • ICAO EUR Doc 020 - EUR AMHS Manual; • ICAO EUR Doc 022R - EUR AFS Security Guidelines: 	PG	Ongoing

		<ul style="list-style-type: none"> ○ Collection and analysis of security requirements as a result of Directive (EU) 2016/1148; • ICAO EUR Doc 027 - IP Infrastructure Test Guidelines for EUR AMHS; • ICAO EUR Doc 028 - EUR NSAP Address Registry; • ICAO EUR Doc 036 - EUR AGVN Legacy Numbering Plan; • ICAO EUR Doc 037R - EUR IPv6 address Space Allocation; and • “Inventory of AMHS Documentation used in EUR”. 		
25	AMHS Security Requirements	<ul style="list-style-type: none"> • Prepare AMHS Security Requirements to be included in the new project at EUROCONTROL “SWIM Common PKI and EATM-CERT”. • Review with EUROCONTROL Project Manager of the project “SWIM Common PKI and EATM-CERT” the implementation of the AMHS Security Requirements. 	PG	AFSG/23

Appendix C
Draft update of AFSG ToR (Under discussion within the AFSG)

AERONAUTICAL FIXED SERVICES GROUP (AFSG)

Establishment 1997 - EANPG Decision 39/35

Terms of reference

The Aeronautical Fixed Services Group (AFSG) is established by EANPG to pursue the tasks and issues related to Aeronautical Fixed Service (AFS) in support to of the relevant ICAO Strategic Objectives as reflected in the Global Air Navigation Plan (GANP-Doc 9750) and the relevant ASBUs with the following TORs:

1. a) Develop and amend relevant Regional documentation, including EUR Doc 005 “EUR CIDIN Manual”, EUR Doc 020 “EUR AMHS Manual”, EUR Doc 021 “ATS Messaging Management Manual”, EUR Doc 022R “EUR AFS Security Guidelines”, EUR Doc 026 “EUR AMHS COM Centre Training Guidelines”, EUR Doc 027 “IP Infrastructure Test Guidelines for EUR AMHS”, EUR Doc 028 “EUR NSAP Address Registry”, EUR Doc 035 “AMHS/Third Party Interconnection Architecture”, EUR Doc 036 “EUR AGVN Legacy Numbering Plan”, EUR Doc 037R “EUR IPv6 address Space Allocation”, EUR/NAT Routing Directory, considering the evolving operational requirements in the EUR Region and the need for harmonization with the adjacent Regions in compliance with the GANP;
- ~~b) Ensure the continuous and coherent development of the relevant sections of the European eANP and, Regional Supplementary Procedures (SUPPS) (Doc 7030) and other relevant Regional documents, including EUR Doc 005 “EUR CIDIN Manual”, EUR Doc 020 “EUR AMHS Manual”, EUR Doc 021 “ATS Messaging Management Manual”, EUR Doc 022 “EUR AFS Security Guidelines”, EUR Doc 026 “EUR AMHS COM Centre Training Guidelines”, EUR Doc 027 “IP Infrastructure Test Guidelines for EUR AMHS”, EUR Doc 028 “EUR NSAP Address Registry” taking into account the evolving operational requirements in the EUR Region and the need for harmonization with the adjacent regions in compliance with the Global Air Navigation Plan (Doc 9754);~~
2. c) Co-ordinate with ICAO EUR System Wide Information Management Project Team (ICAO EUR SWIM PT) to ensure gradual transition of AFS services in the EUR/NAT Region as well as to create awareness of existing technologies in order to create a realistic transition roadmap;
3. d) Specify technical requirements for the deployment of extended AMHS service in the EUR Region so that emerging operational requirements (i.e. IWXXM, FIXM in support of FF-ICE, etc) are adequately addressed in short/medium terms before global SWIM, taking due consideration of ICAO provisions and modernization is in line with the ASBUs;
- e) Develop the security operations framework for the AFS and derive related security requirements for the ATS Message Handling Service considering ICAO provisions and European legislation;

- bf) Monitor and coordinate implementation of the relevant ICAO [SARPs Annexes, ICAO documentation](#) and regional procedures, facilities and services by the EUR States [and International Organisations](#) and where necessary ensure harmonization, taking due account of financial and institutional issues;
- g) [Administer ATS Messaging Management Centre \(AMC\) and European Directory Service \(EDS\) to provide AFTN/CIDIN/AMHS network management service within EUR Region, as well as in a worldwide scale;](#)
- ch) _____ Identify any deficiencies in the AFS related matters in the EUR Region and ensure the development and implementation of relevant action plans by the States to resolve them [in order to ensure a safe, smooth and continuous flow of data;](#)
- di) Foster implementation by facilitating the exchange of know-how and transfer of knowledge and experience among States of the Region;
- ei) [Ensure that third party interconnections are conformant to the architecture principles governing the aeronautical fixed network, design appropriate solutions, support and co-ordinate relevant implementations, safeguarding interoperability between systems.](#)
- k) Provide input to the work of appropriate ICAO bodies in the field of AFS, according to the established procedures.

Work Programme

To ensure that the objectives of AFSG are met in accordance with the TORs, the group shall conduct its work according to a Work Programme endorsed by EANPG and kept under review by EANPG COG. The following are the main principles to be followed in setting up the Work Programme of AFSG:

- a) The Work Programme shall be composed of tasks and projects with clearly identified deliverables, target dates and responsibilities;
- b) The tasks/projects should cover the main implementation domains related to AFS which are subject to Regional planning and implementation;
- c) The progress on the tasks/projects should be reviewed regularly by AFSG and reported [by the AFSG Chairman](#) to COG and EANPG to ensure that the target dates are met and the deliverables are of required quality.
- d) To facilitate the execution of its work programme, AFSG may set up temporary working arrangements in the form of working sub-groups, study groups, task force and project teams, if and when required, charge them with specific tasks and define target dates for the completion. These bodies shall work under the guidance of and in a close coordination with the ICAO EUR/NAT in the most time effective and result oriented way, with as fewer formalities as possible, and preferably by means of electronic communication. These bodies are dissolved after completion of the task(s);
- e) The AFSG Work programme is an integral part of the general EANPG Work programme and is attached to the latest EANPG Meeting report;
- f) The detailed AFSG Task List providing a broke down list of actions aimed to fulfil the objectives of the Work programme is included in the latest AFSG Summary of Discussions.

In conducting its activities, AFSG should follow the following guidance given to the Group by the EANPG COG:

- Maintain close coordination with relevant EANPG contributory bodies to ensure harmonious development of the EUR air navigation system as a whole;
- [Conduct periodic reviews and originate, as necessary, proposals for amendment of the relevant sections of the eANP, EUR SUPPs \(Doc 7030\), EUR CIDIN Manual \(EUR Doc 005\), EUR AMHS Manual \(EUR Doc 020\), ATS Messaging Management Manual \(EUR Doc 021\), EUR AFS Security Guidelines \(EUR Doc 022R\), EUR AMHS COM Centre Training Guidelines \(EUR Doc 026\), IP Infrastructure Test Guidelines for EUR AMHS \(EUR Doc 027\), EUR NSAP Address Registry \(EUR Doc 028\), AMHS/Third Party Interconnection Architecture \(EUR Doc 035\), EUR AGVN Legacy Numbering Plan \(EUR Doc 036\), EUR IPv6 address Space Allocation \(EUR Doc 037R\) and EUR/NAT Routing Directory;](#)
- Develop and maintain any other documentation related to the safe, secure and efficient implementation and operation of the EUR AFS.
- Seek co-ordination and harmonization with the relevant planning and implementation activities in other ICAO Regions;
- Use different techniques to monitor implementation in the States (such as, regional surveys, monitoring exercises, regional tests and simulations, etc.) and identify deficiencies; conduct risk analysis to prioritize the identified deficiencies and prepare proposals to EANPG to ensure the urgent resolution of safety-related AFS deficiencies;
- Identify areas where assistance to individual States or sub-regions is necessary to eliminate deficiencies and improve harmonized implementation of the AFS through the established mechanisms and prepare proposals thereon;
- Ensure close liaison with EANPG groups and with relevant ICAO Air Navigation Commission (ANC) panels/study groups in addressing AFS related matters; Provide feed-back received from States on problems impeding implementation which need to be addressed by appropriate ICAO bodies;
- Assist the Secretariat in developing and keeping up-to-date of Regional guidance material as necessary to foster the implementation by the States of the global requirements and Regional procedures on AFS related matters;
- Prepare proposals and support organisation of regional seminars and workshops in the AFS field with emphasis on implementation issues;
- Coordinate Regional activities in the field of AFS; liaise closely with relevant international organisations on issues of common interest;
- Identify and refer to COG and EANPG the emerging operational and institutional issues related to the planning and implementation of the AFS services and facilities order to ensure that such issues are addressed in a coherent manner with the respective ICAO plans, strategies and provisions.

Composition of the AFSG

Representatives from all ICAO Contracting States, Representatives from all ICAO Contracting States and who are service providers in the EUR/[NAT](#) air navigation region and part of EUR ANP and International Organisations ([e.g.](#) EUROCONTROL, [SITA](#), [ARINC](#) and IATA)

-- END--