

ANNEX V

TEMPLATE FOR NETWORK OPERATIONS PLAN

The Network Operations Plan shall be based on the following general structure (that will be tailored to the various individual functions and to the time horizon of the Network Operations Plan to reflect its rolling nature and its 3 to 5 year, annual, seasonal, weekly and daily periods):

1. INTRODUCTION
 - 1.1. Scope of the Network Operations Plan (geographical and time period)
 - 1.2. Preparation of the plan and validation process
2. DESCRIPTION OF THE NETWORK OPERATIONS PLAN, OPERATIONAL TARGETS AND OBJECTIVES
 - including the collaborative aspect of the participating operational stakeholders in terms of roles and responsibilities,
 - indicating how the operational targets and objectives will be covered in the tactical, pre-tactical, short-term and medium-term phases of the Network Operations Plan and other performance targets set under the performance regulation,
 - priorities set and resources needed for the planning period,
 - indicating the impact on the ATM industry and other concerned areas.
3. OVERALL NETWORK OPERATIONS PLANNING PROCESS
 - description of the overall network operations planning process,
 - description of the strategic way the Network Operations Plan will evolve and progress to successfully respond to the operational performance requirements and other performance targets set under the performance Regulation,
 - description of tools and data used.
4. OVERALL CONTEXT AND OPERATIONAL REQUIREMENTS
 - 4.1. Summary description of the past network operational performance
 - 4.2. Challenges and opportunities related to the time period of the plan
 - 4.3. Network traffic forecast in accordance with Appendices 1 and 2, including:
 - network forecast,
 - air navigation service provider, functional airspace block and ACC forecast,
 - main airports forecast,
 - analysis of the traffic forecast, including a range of scenarios,
 - analysis of special events impact.
 - 4.4. Network operational performance requirements, including:
 - overall network capacity requirements,
 - air navigation service provider, functional airspace block and ACC capacity requirements,
 - airport capacity,
 - analysis of the capacity requirements,
 - overall network environment/flight efficiency requirements,
 - overall network safety requirements,
 - contingency requirements and continuity of services affecting the network.

- 4.5. Operational needs as expressed by the different stakeholders, including military
5. NETWORK OPERATIONAL PERFORMANCE ENHANCEMENT PLANS AND ACTIONS AT NETWORK LEVEL
 - description of the plans and actions expected to be implemented at network level, including airspace, scarce resources and ATFM,
 - description of the operational performance contributions of each of the plans and actions.
6. OPERATIONAL PERFORMANCE ENHANCEMENT PLANS AND ACTIONS AT LOCAL LEVEL
 - including description of each of the plans and actions expected to be implemented at local level,
 - description of the operational performance contributions of each of the plans and actions,
 - description of relations with third countries and work related to ICAO.
7. SPECIAL EVENTS
 - overview of special events with significant ATM impact,
 - individual special events and their handling from a network perspective,
 - major military exercises.
8. MILITARY AIRSPACE REQUIREMENTS
- 8.1. Military ATM service providers responsible for areas of reserved or segregated airspace shall exchange with the Network Manager, through the relevant Airspace Management Cell, the following information according to national rules:
 - airspace availability: default days/times of availability of reserved airspace,
 - ad hoc requests for unplanned use of reserved airspace,
 - release of reserved airspace to civil use whenever not required, giving as much notice as possible.
9. CONSOLIDATED FORECAST AND ANALYSIS OF THE OPERATIONAL PERFORMANCE OF THE NETWORK
 - network, air navigation service provider, functional airspace block and ACC ATM delay/capacity targets and forecast,
 - airport operational performance,
 - network environment/flight efficiency performance target and forecast,
 - impact of special events,
 - analysis of the operational performance targets and forecast.
10. IDENTIFICATION OF OPERATIONAL BOTTLENECK AREAS AND MITIGATION SOLUTIONS AT NETWORK AND LOCAL LEVEL
 - identification of operational (safety, capacity, flight efficiency) bottlenecks and potential bottlenecks, their causes and agreed solutions or mitigation actions, including options for demand capacity balancing (DCB).

Appendix 1

Area Control Centres (ACCs)

The Network Operations Plan shall give a detailed description ACC by ACC of all the areas describing their planned operational enhancement measures, the prospects for the period, the traffic forecast, the delay target and forecast, the significant events that may affect the traffic, operational contacts.

The Network Manager shall include for each ACC:

- traffic forecast,
- an analysis of current operational performance,
- a quantified evaluation of the achieved capacity (capacity baseline),
- a quantified evaluation of the required capacity for various traffic evolutions scenarios (required capacity profile),
- a quantified evaluation of the planned operational enhancement actions at ACC level, as agreed with the air navigation service providers,
- delay target and forecast,
- an analysis of expected operational performance (safety, capacity, environment).

Each air navigation service provider shall provide the Network Manager with the following information to be included in the individual ACC description:

- local delay target,
- assessment/confirmation of traffic forecast, taking into account local knowledge,
- number of available sectors: sector configuration/opening scheme per season/day of week/time of day,
- capacities/monitoring values for each sector/traffic volume per configuration/opening scheme,
- planned or known special events, including dates/times and associated impact on operational performance,
- details of operational enhancement measures planned, their implementation schedule and associated negative/positive impact on capacity and/or efficiency,
- details of proposed and confirmed changes to the airspace structure and utilisation,
- additional actions as agreed with the Network Manager,
- ACC operational contacts.

Appendix 2

Airports

The Network Operations Plan shall give a detailed description for main European airports of all the areas describing their planned operational enhancement measures, the prospects for the period, the traffic and delay forecast, the significant events that may affect the traffic, operational contacts.

The Network Manager shall include for each main airport:

- traffic forecast,
- an analysis of expected operational performance (safety, capacity, environment).

Each airport included in the Network Operations Plan shall provide the Network Manager with the following information to be included in the individual airport description:

- assessment/confirmation of traffic forecast, taking into account local knowledge,
- runway capacity for each runway configuration, current and projected arrivals and departures,
- a capacity specification for and duration of night period, where relevant,
- details of operational enhancement measures planned, their implementation schedule and associated negative/positive impact on capacity and/or efficiency,
- planned or known special events, including dates/times and associated impact on operational performance,
- other planned capacity enablers,
- additional actions as agreed with the Network Manager.