



EASA
European Aviation Safety Agency

‘Weather information provided to pilots’

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Potential challenges *A rulemaking point of view*

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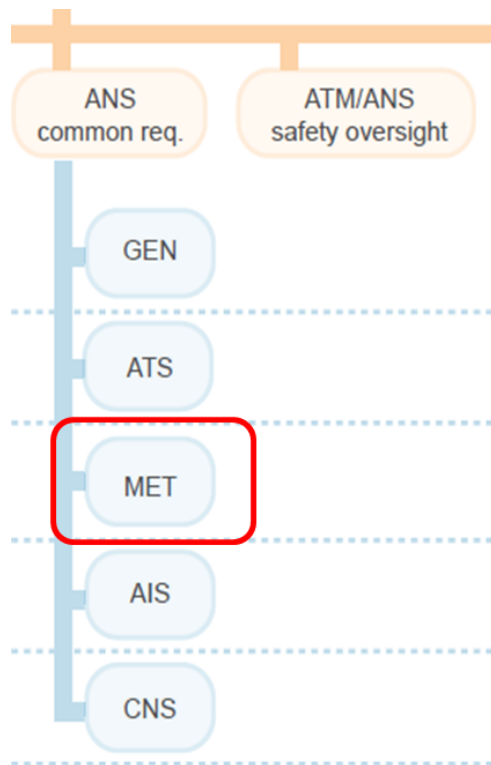
Your safety is our mission.

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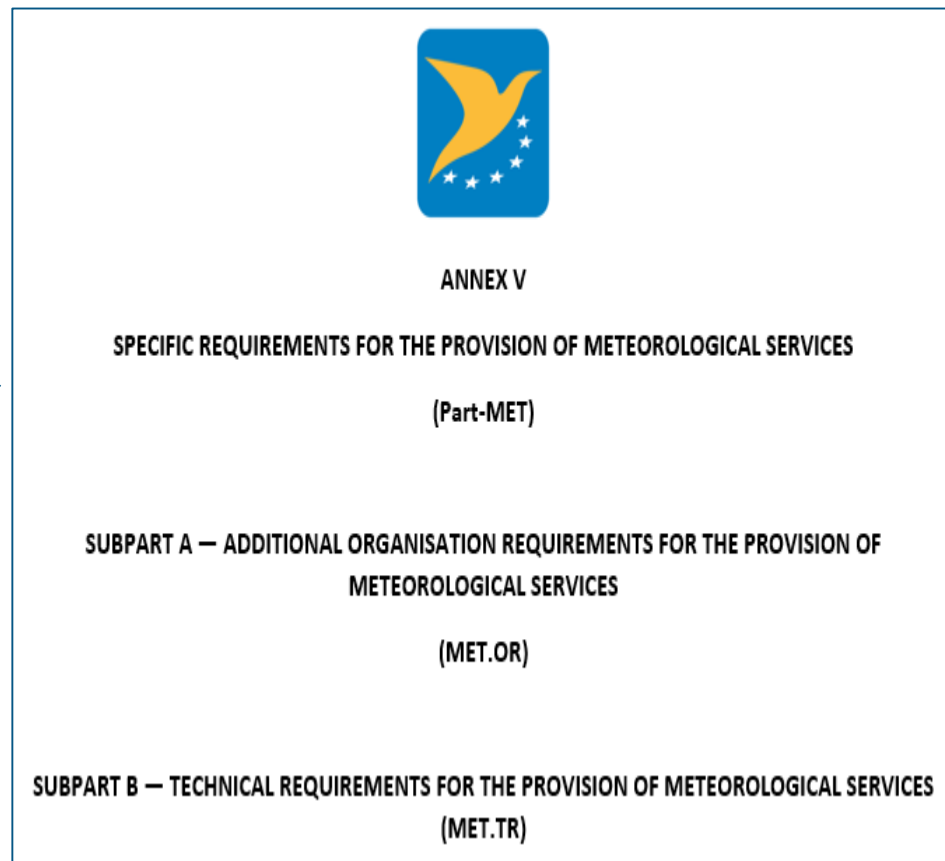
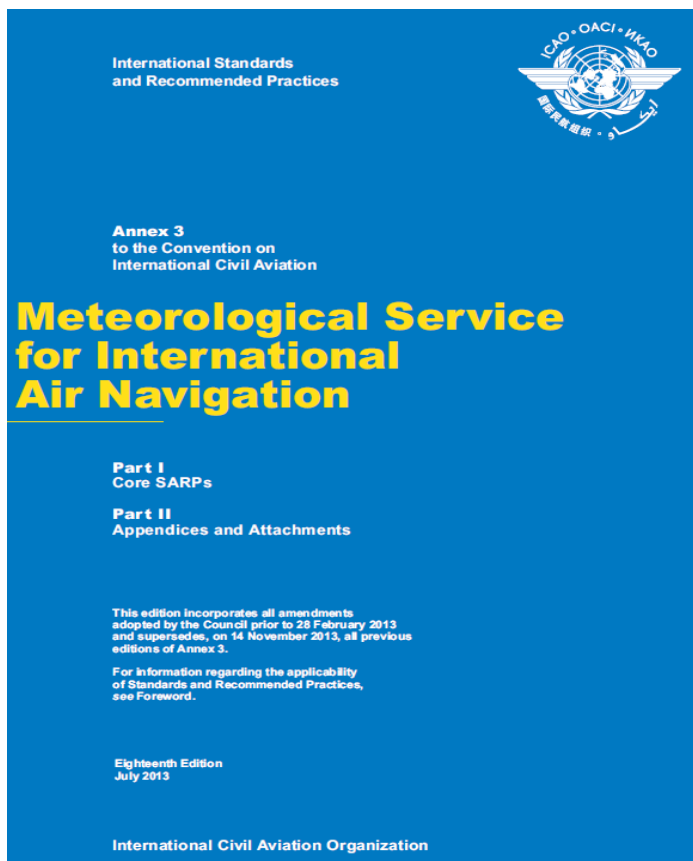
The current EU regulatory framework for MET



18.10.2011	EN	Official Journal of the European Union	L 271/39
ANNEX III			
Specific requirements for the provision of meteorological services			
1. TECHNICAL AND OPERATIONAL COMPETENCE AND CAPABILITY			
Providers of meteorological services shall ensure that the meteorological information, necessary for the performance of their respective functions and in a form suitable for users, is made available to:			
(a) operators and flight crew members for pre-flight and in-flight planning;			
(b) providers of air traffic services and flight information services;			
(c) search and rescue services units;			
(d) aerodromes.			
Providers of meteorological services shall confirm the level of attainable accuracy of the information distributed for operations, including the source of such information, whilst also ensuring that such information is distributed in a sufficiently timely manner, and updated as required.			
2. WORKING METHODS AND OPERATING PROCEDURES			
Providers of meteorological services shall be able to demonstrate that their working methods and operating procedures are compliant with the standards in the following annexes to the Convention on International Civil Aviation as far as they are relevant for the provision of meteorological services in the airspace concerned:			
(a) Annex 3 on meteorological service for international air navigation in its 17th edition of July 2010, including all amendments up to No 75;			
(b) Annex 11 on air traffic services in its 13th edition of July 2001, including all amendments up to No 47-B;			
(c) Annex 14 on aerodromes in the following versions:			
(i) Volume I on aerodrome design and operations in its 5th edition of July 2009, including all amendments up to No 10-B;			
(ii) Volume II on heliports in its 3rd edition of July 2009, including all amendments up to No 4.			



EASA MET rules proposal based on ICAO Annex 3



**CHAPTER 9. SERVICE FOR OPERATORS
AND FLIGHT CREW MEMBERS**



ICAO Annex 3 Information to be provided to flight crew

Basic MET info, defined in the 1950's, for pilots have a strong focus on pre-flight briefing

- Forecasts
- METAR or SPECI
- TAF
- SIGMET
- Volcanic Ash and Tropical cyclone advisory information
- Area forecasts for low-level flights
- Aerodrome warnings
- Ground-based weather radar information



Overview of the MET rules

DRAFT REGULATION 'REQUIREMENTS FOR SERVICE PROVIDERS AND THE SAFETY OVERSIGHT THEREOF'

ANNEX V – PART-MET

SUBPART A — ADDITIONAL ORGANISATION REQUIREMENTS FOR THE PROVISION OF METEOROLOGICAL SERVICES (MET.OR)

MET.OR.100 Meteorological data & information
MET.OR.105 Retention of meteorological information
MET.OR.110 Meteorological information exchange requirements
MET.OR.115 Meteorological bulletins
MET.OR.120 Notification of discrepancies to the World Area Forecast Centres (WAFC)
MET.OR.200 Watch and other meteorological information
MET.OR.205 SIGMET messages
MET.OR.210 AIRMET messages
MET.OR.215 Area forecasts for low-level flights
MET.OR.220 Forecasts and other meteorological information
MET.OR.225 Aerodrome forecasts (TAF)
MET.OR.230 Aerodrome forecasts — Landing (TREND)
MET.OR.235 Aerodrome forecasts — Take-off
MET.OR.240 Aerodrome warnings and wind shear warnings and alerts
MET.OR.245 Meteorological information for use by operator or flight crew
MET.OR.250 Meteorological reports and other meteorological information
MET.OR.255 Reporting of meteorological elements
MET.OR.260 Observing meteorological elements
MET.OR.265 Volcanic Ash Advisory Centre responsibilities
MET.OR.270 World Area Forecast Centre responsibilities
MET.OR.275 Tropical Cyclone Advisory Centre responsibilities

SUBPART B — TECHNICAL REQUIREMENTS FOR THE PROVISION OF METEOROLOGICAL SERVICES (MET.TR)

MET.TR.115 Meteorological bulletins
MET.TR.205 SIGMET messages
MET.TR.210 AIRMET messages
MET.TR.215 Area forecasts for low-level flights
MET.TR.220 Forecasts and other meteorological information
MET.TR.225 Aerodrome forecasts (TAF)
MET.TR.230 Aerodrome forecasts — Landing (TREND)
MET.TR.235 Aerodrome forecasts — Take-off
MET.TR.240 Aerodrome warnings and wind shear warnings and alerts
MET.TR.250 Meteorological reports and other meteorological information
MET.TR.255 Reporting of meteorological elements
MET.TR.260 Observing meteorological elements
MET.TR.265 Volcanic Ash Advisory Centre responsibilities
MET.TR.270 World Area Forecast Centre responsibilities
MET.TR.275 Tropical Cyclone Advisory Centre responsibilities



Conclusions

- **EU MET rules not more/not less than what is in ICAO Annex 3**
- **MET.OR.245: possible placeholder to develop more requirements to introduce new MET services and adapt to technologies (e.g. real-time MET info distribution)**
- **Any outcome of the workshop that will lead to new/improved EU and/or global requirements for MET information to pilots should be supported by the relevant EU MET Regulation**