



International Civil Aviation Organization

**ICAO/WMO ASIA/PACIFIC METEOROLOGY/AIR TRAFFIC  
MANAGEMENT (MET/ATM) SEMINAR**

Fukuoka, Japan, 24 – 26 January 2011

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**Discussion Topic 1: Brief review of the organization of Air Traffic Management (ATM) and Meteorological (MET) Services by the States:**

**2) Current and proposed organizational frameworks and consultative mechanisms**

**CURRENT AND PROPOSED ORGANIZATIONAL FRAMEWORKS AND  
CONSULTATIVE MECHANISMS**

(Presented by the Russian Federation)

**SUMMARY**

This document presents an analytical review of the activities – *Meteorological services for civil aviation in the airspace of CIS* - under the Commonwealth of Independent States Interstate Council for Hydrometeorology (CIS ICH) and the Working Group – 3 (WG-3).

**1. BACKGROUND**

**COMMONWEALTH OF INDEPENDENT STATES INTERSTATE COUNCIL FOR  
HYDROMETEOROLOGY**

1.1 After the collapse of the USSR it was decided by the heads of the governments from the 12 states which composed the former USSR to establish the Commonwealth of Independent States Interstate Council for Hydrometeorology (CIS ICH). The Commonwealth of Independent States (CIS) is a regional organization regulated by an international agreement to maintain cooperation between the states from the former USSR. The CIS is an interstate unity which functions on a voluntary basis in accordance with the Agreement of Interactions in the field of hydrometeorology aimed to provide a timely receipt and use of hydrometeorological information by the CIS states. Such information is necessary to forecast hydrometeorological processes, assess their environmental impacts, timely inform and warn governing bodies and the public. In addition, it was envisaged that the information would be applied effectively in the economic branches of the CIS states.

1.2 All CIS states participate in the activities of the Interstate Council for Hydrometeorology (ICH). Moreover, the sessions of ICH are attended by the representatives from WMO as observers headed by the Secretary-General of WMO.

1.3 Since its establishment the ICH has held twenty-two sessions and each of them has addressed on average twenty to twenty-five issues in major activities of the CIS National Meteorological and Hydrological Services. The sessions are held annually in each CIS country in rotation. The first session was convened in the headquarters of ICH in Minsk, Belarus from 9 to 10 April 1992, whereas the last twenty-second session of ICH was held in Gabala, Azerbaijan from 5 to 6 October 2010.

1.4 The ICH delegated the responsibilities of the working body to the Department of Cooperation in the field of emergency response and mitigation under the Department of Cooperation in the field of safety and response to new challenges and threats which is located in Minsk, Belarus.

1.5 At its twenty-second session the ICH focused on the following issues:

- Functioning of National Meteorological and Hydrological Services, their interactions under CIS and WMO;
- Progress report on implementation of a hydrometeorological safety concept in the CIS states;
- Progress report on cooperation in hydrometeorology for the period 2006-2010 and draft cooperation in hydrometeorology for the period 2011-2015;
- Implementation of decisions by CIS ICH, including the activities under ICH and the Agreement on Interstate Hydrometeorological Network; smf
- Draft strategy for enhanced hydrometeorological activities of CIS states.

## **2. DISCUSSION**

### **METEOROLOGICAL SERVICES FOR CIVIL AVIATION IN THE AIRSPACE OF CIS**

2.1 There are fourteen working groups, including Working Group – 3 in the CIS ICH which are composed of chief specialists and staff members from all NMHSs in CIS.

2.2 The Working Group – 3 (WG-3) is composed of fourteen meteorological specialists from eight NMHSs in CIS. It was set up in 1992 and chaired by a representative from the Hydrometeorological Service of Kazakhstan. Since 2004 the WG-3 has been chaired by a representative from Roshydromet, Ms Marina V. Petrova, Director-General of Meteoagency of Roshydromet. The WG-3 aims to coordinate the efforts by the NMHSs, improve the quality of meteorological services for civil aviation and ensure flight safety, regularity and effectiveness. The WG-3 has held twenty-two meetings, which addressed the following issues:

- Reduction of differences between national practices in meteorological services for civil aviation in the NMHSs of CIS states and ICAO/WMO SARPs;
- Experience sharing in:
  - Advanced methods and technologies in issuing aerodrome and en-route aeronautical forecasts;

- Modernized systems for initial/forecasting meteorological data and AMDAR data collection, processing and exchange;
  - Technical re-equipment of aeronautical meteorological offices with state-of-the-art meteorological equipment and implementation of new information technologies in aeronautical meteorological services;
  - MET cost recovery and improvement of interactions with aviation users;
  - Development and improvement of MET information delivery methods.
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- Enhanced applications and use of WAFS products, development and issue of low and medium flight level weather charts for the airspace of CIS;
  - Inclusion of new methods and technologies to the staff training and retraining, development of new AMP training syllabi to improve the AMP competencies in aeronautical meteorology;
  - Implementation of QMSs for aeronautical meteorological services in the NMHSs of CIS;
  - Seminars and workshops to improve aeronautical meteorological services;
  - Improvement of methodological level in aeronautical meteorological offices of NMHSs of CIS.

2.3 At its final meeting held in Moscow, the Russian Federation, from 23 to 24 June 2010 WG-3 took note of the following issues:

- Outcomes of CAeM-XIV, Hong Kong, 3-10 February 2010;
- Improved issuance of SIGMETs through cooperation between adjacent countries;
- Development and implementation of a quality management system (QMS) by the Meteorology of Roshydromet;
- Meteorological services for low level flights;
- Aeronautical meteorological forecast verification;
- Cooperation between WMO/ICAO working groups in meteorological services for civil aviation;
- Review of a sample form on status of aeronautical meteorological services in the CIS states;
- Implementation of the Federal Targeted Programme on Improved Meteorological Services in the Russian Federation for 2009-2015;

- Review of a sheet of actions of the CIS states on improved aeronautical meteorological services for 2010-2014 to be further:
  - Approved by the NMHSs/aeronautical authorities and submitted to the 22<sup>nd</sup> session of CIS ICH in 2010;
  - Implemented to ensure regional cooperation for support of flight safety aligned with Doc. A37-WP/10 adopted by 37<sup>th</sup> session of ICAO.

**3. ACTION BY THE MEETING**

- 3.1 The meeting is invited to note the information provided in this paper.

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