

Presentation contents

Organization structure

AMC divisions & stations

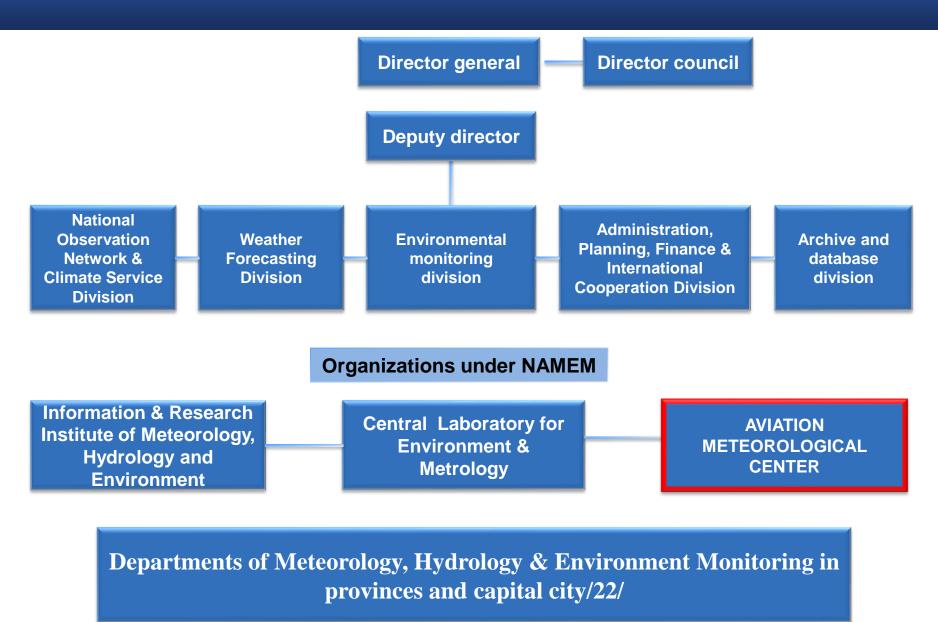
Meteorological service & data

Documents & cooperation

Quality management system

Future work

ORGANIZATION STRUCTURE OF NAMEM



Aviation Meteorological Service

MISSION: to provide the various weather information which is ensured flight safety to users on time.

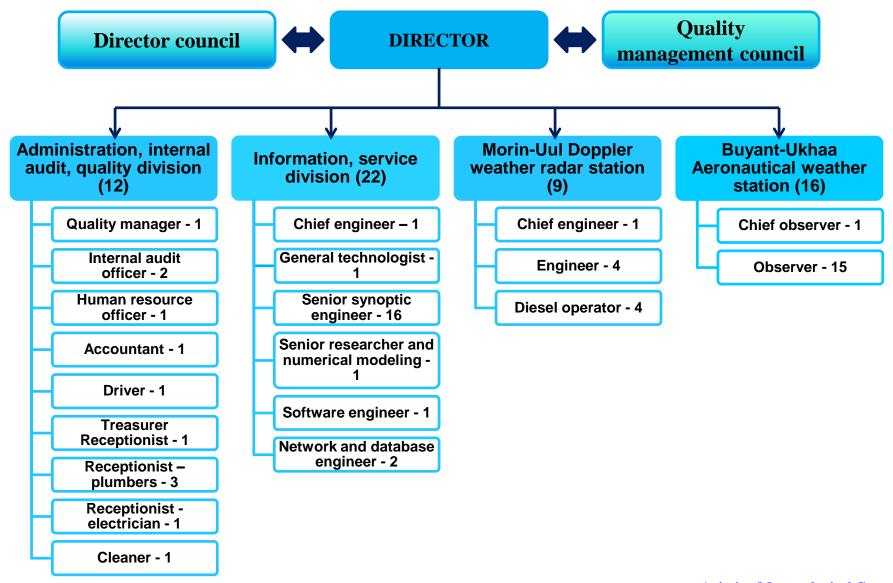




Certification (MCAR 174)

Customer oriented service

ORGANIZATION STRUCTURE OF AVIATION METEOLOGICAL CENTER

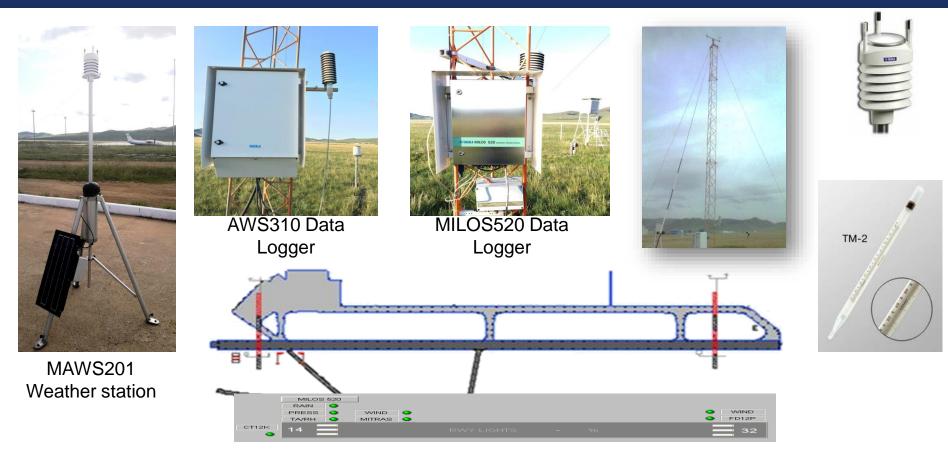


Human resource

Administrative and technical personnel

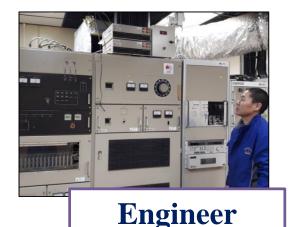
- 85.1% with bachelor or higher degrees.
- Engineer-21
- Senior Engineer-16

Buyant-Ukhaa Aeronautical weather station AWOS



Most of the airport equipped with Automated Weather Observation System.

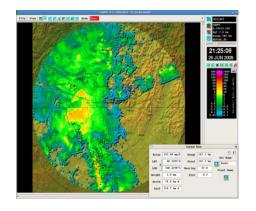
Morin-Uul Doppler weather radar station

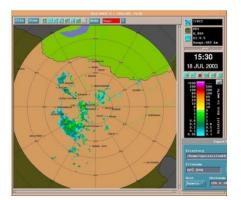




Mopels: - Yyr sale sypuel phaginal crisis.

Dieser operator

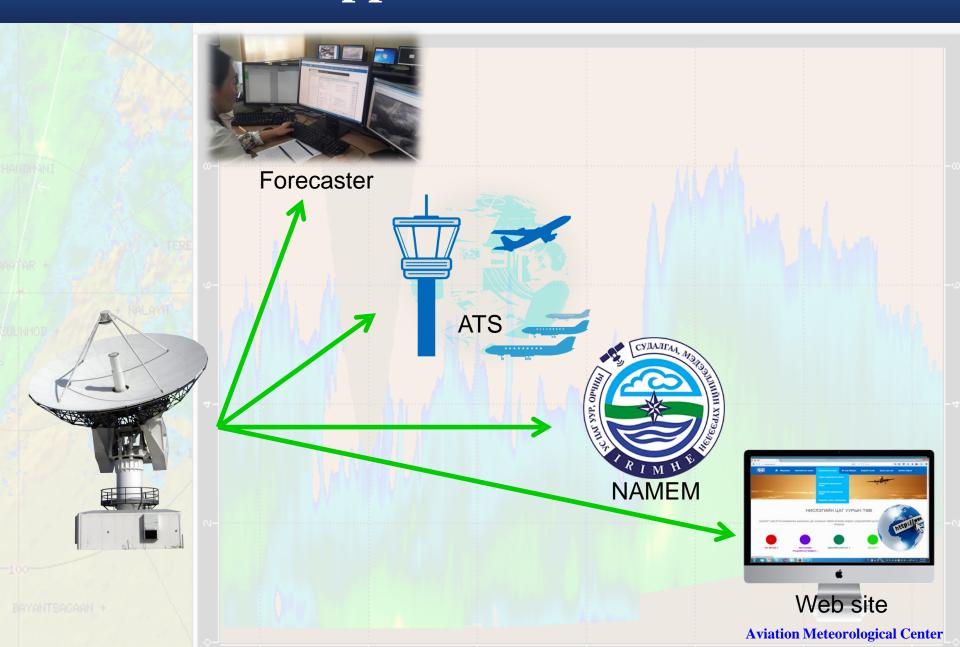




Located 4 km from aerodrome

Detection of hazardous phenomena /wind shear conditions, precipitations and winds aloft on and near the airport/ specially thunderstorms in 480km radius.

Morin-Uul Doppler weather radar station



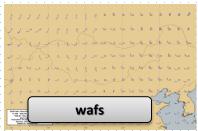
Information, service division

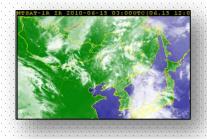


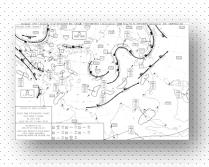


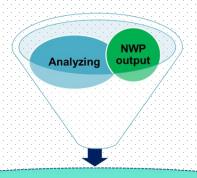


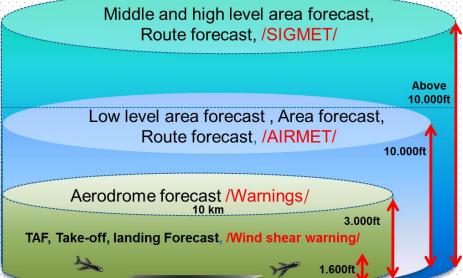




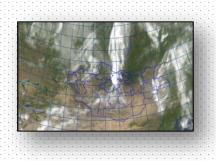












Aviation Meteorological Center

Meteorological Observations and Reports

METAR

SAMO31 ZMUB 210152 METAR ZMUB 210200Z 00000MPS 9999 BKN250 15/08 Q1015 NOSIG RMK QFE654.3 63 MOP=

SPECI

SPMO31 ZMKB 111003 SPECI ZMKB 111002Z 20006MPS 3100SE TS SHRA SCT030CB BKN035 21/18 Q1007 NOSIG RMK QFE656.0 84 SE MO=

Aerodrome Forecast

9 hours forecast: issued every 3 hr (0009, 0312, 0615, 0918, 1221, 1524, 1803)

FCMO31 ZMUB 210204

TAF ZMUB 210204Z 2103/2112 VRB02MPS 9999 FEW030CB SCT033 PROB40 TEMPO 2106/2112 VRB08MPS TS SHRA SCT030CB SCT033=

• 30 hours forecast: *issued every 6 hr* (0006, 0612, 1218, 1824)

FTMO31 ZMUB 202240

TAF ZMUB 202240Z 2100/2206 VRB02MPS 9999 FEW030CB SCT033 TX21/2107Z TN09/2121Z

TEMPO 2104/2118 VRB08MPS TS SHRA SCT030CB SCT033=

Take off forecast

• Take off forecast: issued every 3 hrs

Time		Wind	Pressure	Temperature	Visibility	Phenomena	Cloud	TEMPO
Local	UTC	grad/ m/s	hPa	Celcium	Meter			
11:00	250300Z	VRB02	1019	11	9999		SCT100	
12:00	250400Z	VRB02	1019	14	9999		SCT100	
13:00	250600Z	VRB02	1019	15	9999		SCT100	

SIGMET and AIRMET

SIGMET

WSMO31 ZMUB 302300

ZMUB SIGMET 01 VALID 310000/310600 ZMUB-

ZMUB ULAANBAATAR FIR SEV TURB FCST BTN FL340 AND FL450 WI N5000 E10710 -N5000

E10000 - N4930 E09200 - N4770 E09000 - N4830 E08820 - N4980 E09000 - N5010 E09900 -

N5000 E10710 MOV NW 20KMH WKN=

AIRMET

AIRMET-1 180616 44286 1240 OBS SFC WSPD 20007MPS VIS1000M TSSHRA BKN CLD 1100M MT OBSC NC=

Services to Aeronautical Users

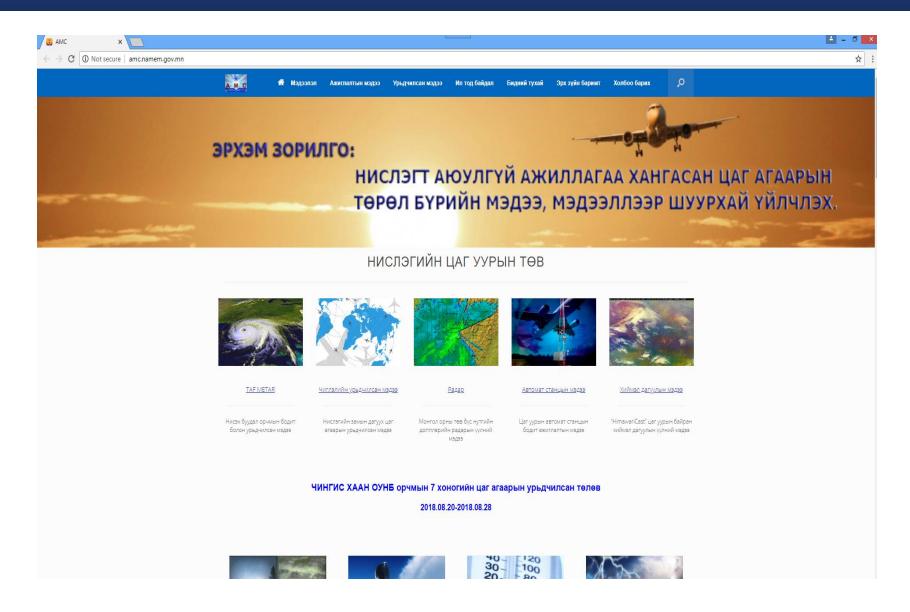
Meteorological Service Office at airports

- ✓ Flight documentation
- ✓ Briefing and Consultation

Hazardous weather informing and warning to related users

- ✓ Message by mobile phone
- ✓ Website: www.amc.namem.gov.mn

WEBSITE: amc.namem.gov.mn





Documents and Cooperation



ICAO, WMO Documents







Law, Rule and National Procedure



CUSTOMERS

Quality management system



9001 is defined to provide meteorological information and report to users, its ensured flight safety within the relevant legislation to aviation and accordance with the Quality Management System.



2013 - 2016

2017 - 2018

2018 - 2021

QUALITY OBJECTIVES

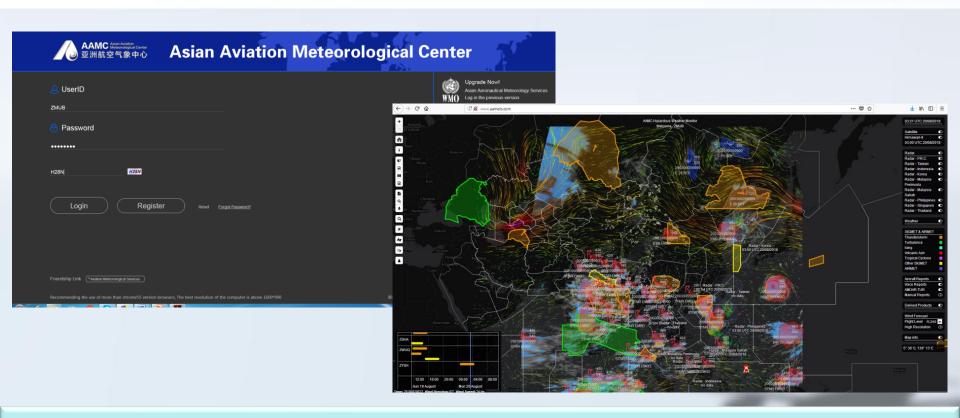
- Be documented and monitored all acts accordance with the MCAR 174, WMO, ICAO regulations and Quality Manual.
- Be defined and monitored training program according the plan
- Be taking actions are updated and improved if necessary
- Be updating continual improvement QMS within the ISO 9001:2015 standard for 3 years
- Be used facilities within the international standard and WAFS products with effective

Output of the last training course

19 staffs attended to training course of CMATC/WMO since 2013

Platform

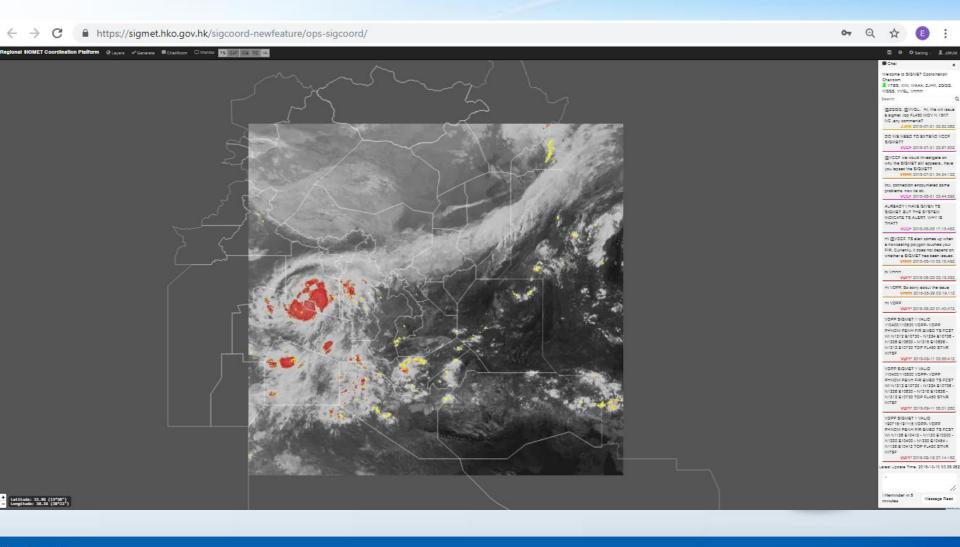
www.aamets.com



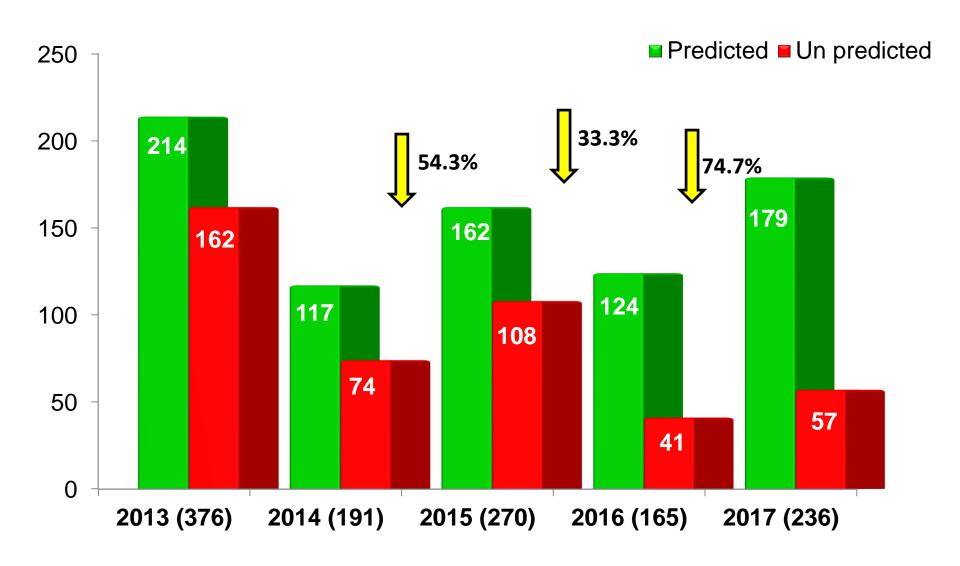
More efficiency to attending training of Aviation Meteorological Center of ATMB, CAAC

Output of the last training course

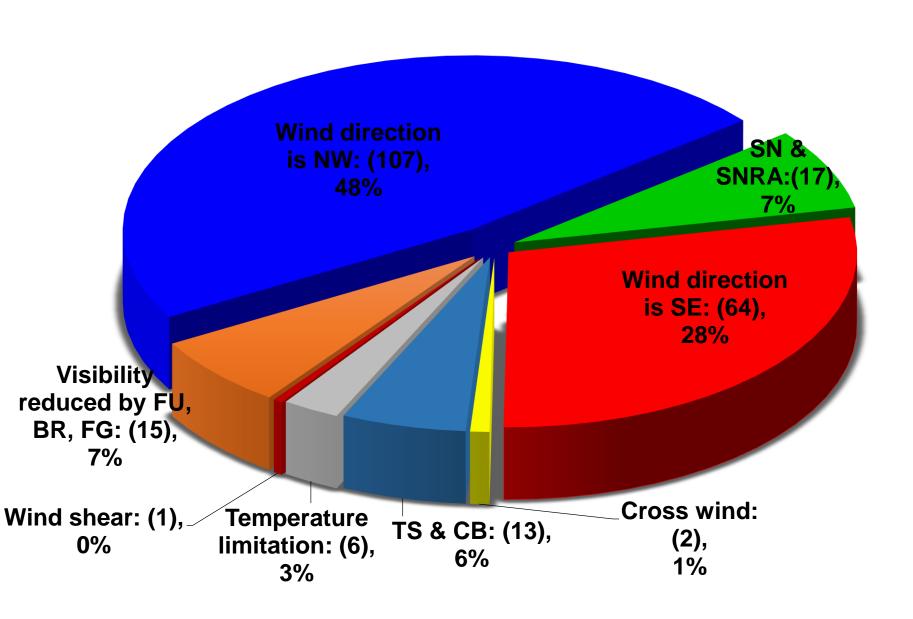
https://sigmet.hko.gov.hk



Investigation of flight delay due to weather forecasting



Flight delay by phenomena /(total=225), 2017/



Future Work

- Numerical weather prediction
- Wind shear alert
- Radar utility
- System development: IWXXM,
- International Cooperation
- **AMC** Development



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