REPUBLIC OF SLOVENIA
MINISTRY OF THE ENVIRONMENT, CLIMATE AND ENERGY
SLOVENIAN ENVIRONMENT AGENCY

Issued: 21.11.2018

SIGMET and AIRMET description

SIGMET and AIRMET information is issued in order to provide timely warning for the occurrence or expected occurrence of specified en-route weather phenomena, affecting the safety of the flight operations. SIGMET and AIRMET provide information concerning the location, intensity and expected evolution of specified phenomena. SIGMET and AIRMET information have the same format, the difference is in the intensity of weather phenomena and in vertical extend covered by the warning (AIRMET up to 20000 feet, SIGMET is not limited vertically).

Example of warning and its explanation:

LJLA SIGMET 04 VALID 132000/132300 LJLJ-
LJLA LJUBLJANA FIR SEV ICE FCST N OF N46 7000FT/FL160 STNR NC=

SIGMET No. 4, issued for the LJUBLJANA FIR, valid from 20:00 UTC to 23:00 UTC on the 13th day of the month. Severe icing is forecasted N of 46 degrees north between flight level 070 and 160, expected to remain stationary and without changes in intensity.

WEATHER PHENOMENA

For LJUBLJANA FIR warning is issued for the following phenomena:

SIGMET:

OBSC TS / TSGR	obscured thunderstorm /thunderstorm with hail
EMBD TS / TSGR	embedded thunderstorm /thunderstorm with hail
FRQ TS / TSGR	frequent thunderstorm /thunderstorm with hail
SQL TS / TSGR	squall line thunderstorm /thunderstorm with hail
SEV TURB	severe turbulence
SEV ICE	severe icing
SEV MTW	severe mountain waves
VA	Vulcanic ash (+vulcano name, if known)
RDOACT CLD	radioactive cloud

AIRMET:

ISOL TS / TSGR	isolated thunderstorm /thunderstorm with hail (maximum spatial coverage is less than 50% of the area)
OCNL TS / TSGR	occasional thunderstorm /thunderstorm with hail (maximum spatial coverage is between 50% and 75% of the area)
MOD TURB	moderate turbulence
MOD ICE	moderate icing
MOD MTW	moderate mountain wave
SFC WIND	widespread mean surface wind speed above 60 km/h (30 KT)

The indication weather the information is observed or forecasted is given by the abbreviation **OBS** and **FCST**.

LOCATION OF THE PHENOMENON

Indication of a part of the FIR with geographical coordinates:
LJLA LJUBLJANA FIR ISOL TS OBS **N46 E01545** TOP ABV FL200 STNR WKN=

Indication of a part of the FIR with geographical coordinates and the direction of extension:
LJLA LJUBLJANA FIR ISOL TS OBS **N OF N4545** TOP ABV FL200 STNR WKN=

Indication of a part of the FIR with combination of the two conditions:
LJLA LJUBLJANA FIR ISOL TS OBS **N OF N4545 AND W OF E014** TOP ABV FL200 STNR WKN=

Indication of a part of the FIR with the line and the direction of extension:
LJLA LJUBLJANA FIR MOD TURB FCST **SW OF LINE N4545 E01330 – N45 E15** SFC/5000FT STNR NC=

Indication of a part of the FIR with reference to longitude and latitude as a closed line (WI – within):
LJLA LJUBLJANA FIR MOD ICE FCST **WI N4545 E01330 – N45 E15 – N46 E01415** 6000FT/FL150 MOV NE 15KT INTSF=

Indication of entire FIR:
LJLA LJUBLJANA FIR ISOL TS OBS **ENTIRE FIR** TOP ABV FL200 STNR NC=

FLIGHT LEVEL AND EXTENT

Below 10000 ft height is determined with altitude above seal level. Above 10000 ft height is determined with flight levels.

Reporting a layer using flight levels:
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 **FL110/180** MOV NE 15KT INTSF=

Reporting of a layer where the lower level is at the surface and the upper level is height above seal level:
LJLA LJUBLJANA FIR MOD TURB FCST N OF N4545 **SFC/5000FT** STNR NC=

Reporting of a layer where the lower level is at height above seal level and upper level is flight level:
LJLA LJUBLJANA FIR MOD ICE FCST ENTIRE FIR **4000FT/FL120** STNR NC=

Reporting a phenomenon with reference to one flight level and abbreviation ABV (above):
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 **ABV FL150** MOV NE 15KT INTSF=

Reporting the top of a phenomenon with reference to flight level:
LJLA LJUBLJANA FIR FRQ TS OBS N OF N46 **TOP FL340** MOV S 15KT WKN=

MOVEMENT

Direction of movement is given with reference to one of the sixteen points of compass.
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 6000FT/FL150 **MOV NE 15KT** INTSF=

The abbreviation STNR is used if no significant movement is expected.
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 6000FT/FL150 **STNR** INTSF=

SIGMET warning includes speed and moving direction of phenomenon or forecasted location of phenomenon at the end of SIGMET period.

LJLA LJUBLJANA FIR SEV TURB OBS AT 1210Z W OF E14000 FL330 INTSF FCST 1600Z W OF 1500=

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LJLA LJUBLJANA FIR SEV TURB OBS AT 1210Z W OF E14000 FL330 MOV E 15KT INTSF=

EXPECTED CHANGES IN INTENSITY

Phenomenon is intensifying
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 6000FT/FL150 MOV NE 15KT **INTSF**=

No change in intensity of the phenomenon
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 6000FT/FL150 MOV NE 15KT **NC**=

Phenomenon is weakening
LJLA LJUBLJANA FIR MOD ICE FCST N OF N4545 6000FT/FL150 MOV NE 15KT **WKN**=

CANCELLATION OF SIGMET/AIRMET

If during the validity period of a SIGMET/AIRMET, the phenomenon for which the warning had been issued will change (or has change) significantly from the original message content, the current warning message should be cancelled and a new message should be issued as appropriate.

LJLA AIRMET 6 VALID 101430/101600 LJLJ-
LJLA LJUBLJANA FIR **CNL** AIRMET 5 101200/101600=

AIRMET 6 is cancelling the AIRMET 5.