



27 October 2020

**DISSEMINATION OF SPACE WEATHER ADVISORIES
INTRODUCTION OF NEW HEADERS
Additional Information to SL AN 10/1 –20/115**

1. Space weather advisories issued by the designated ICAO space weather information centres are disseminated through the aeronautical fixed service (AFS), following rules and recommendations from the World Meteorological Organisation (WMO) for transmission of such operational meteorological information including the usage of message headers.

2. The WMO message headers (TTAAii CCCC) for space weather advisories in Traditional Alphanumerical Code (TAC) and in ICAO Weather Exchange Model (IWXXM) are given in the table below, noting that the Australia-Canada-France-Japan (ACFJ) Consortium and the China-Russia Federation Consortium (CRC) will routinely issue advisories from two locations, and the PECASUS Consortium will issue advisories from the United Kingdom, when acting as backup for Finland.

	WMO headers for advisories on GNSS impact	
	TTAAii CCCC of advisory in TAC	TTAAii CCCC of advisory in IWXXM
ACFJ - Australia	FNXX01 YMMC*	LNXX01 YMMC*
ACFJ - France	FNXX01 LFPW*	LNXX01 LFPW*
CRC - China	FNXX01 ZBBB	LNXX01 ZBBB
CRC – Russian Federation	FNXX01 UUAG	LNXX01 UUAG
PECASUS -Finland	FNXX01 EFKL*	LNXX01 EFKL*
PECASUS – United Kingdom	FNXX01 EGRR	LNXX01 EGRR
USA	FNXX01 KWNP*	LNXX01 KWNP*

*Since 7 November 2019, these existing headers have been in use for space weather advisories for any space weather impact. From November 2020 they will be in use for GNSS impact only.

	WMO headers for advisories on HF COM impact	
	TTAAii CCCC of advisory in TAC	TTAAii CCCC of advisory in IWXXM
ACFJ - Australia	FNXX02 YMMC*	LNXX02 YMMC*
ACFJ - France	FNXX02 LFPW*	LNXX02 LFPW*
CRC - China	FNXX02 ZBBB	LNXX02 ZBBB
CRC – Russian Federation	FNXX02 UUAG	LNXX02 UUAG
PECASUS - Finland	FNXX02 EFKL*	LNXX02 EFKL*
PECASUS – United Kingdom	FNXX02 EGRR	LNXX02 EGRR
USA	FNXX02 KWNP*	LNXX02 KWNP*

	WMO headers for advisories on RADIATION impact	
	TTAAii CCCC of advisory in TAC	TTAAii CCCC of advisory in IWXXM
ACFJ - Australia	FNXX03 YMMC*	LNXX03 YMMC*
ACFJ - France	FNXX03 LFPW*	LNXX03 LFPW*
CRC - China	FNXX03 ZBBB	LNXX03 ZBBB
CRC – Russian Federation	FNXX03 UUAG	LNXX03 UUAG
PECASUS - Finland	FNXX03 EFKL*	LNXX03 EFKL*
PECASUS – United Kingdom	FNXX03 EGRR	LNXX03 EGRR
USA	FNXX03 KWNP*	LNXX03 KWNP*

	WMO headers for advisories on SATCOM impact	
	TTAAii CCCC of advisory in TAC	TTAAii CCCC of advisory in IWXXM
ACFJ - Australia	FNXX04 YMMC*	LNXX04 YMMC*
ACFJ - France	FNXX04 LFPW*	LNXX04 LFPW*
CRC - China	FNXX04 ZBBB	LNXX04 ZBBB
CRC – Russian Federation	FNXX04 UUAG	LNXX04 UUAG
PECASUS - Finland	FNXX04 EFKL*	LNXX04 EFKL*
PECASUS – United Kingdom	FNXX04 EGRR	LNXX04 EGRR
USA	FNXX04 KWNP*	LNXX04 KWNP*

2. Introduction of these new headers will be effective on 5 November 2020. National (OPMET) centres (NOCs), Regional OPMET Centres (ROCs), Regional OPMET Data Banks (RODBs) and Inter-regional OPMET Gateways (IROG) need to be ready to receive and disseminate all space weather advisories by this date. In particular regional and national documentation with regard to OPMET data dissemination and air navigation plans need to be updated as soon as possible with these new headers.

References:

Annex 3 - *Meteorological Service for International Air Navigation*
WMO-No.306 - *Manual on Codes*
Manual on Space Weather Information in Support of International Air Navigation, Doc 10100
Manual of Aeronautical Meteorological Practice, Doc 8896
EUR OPMET Handbook, Doc 018
Asia/Pacific Regional OPMET Exchange (ROBEX) Handbook
Guidelines for the Implementation of OPMET Data Exchange using IWXXM
Regional OPMET Data Bank (RODB) Interface Control Documents (ICD)
