

22 aprile 2022

*(English text at the bottom)*

## IFALPA SB - SPACE WEATHER ADVISORIES

Gentili Colleghi,

Per la seconda volta da giorni, durante la notte tra martedì 19 e mercoledì 20 aprile, il sole ha lanciato un grande bagliore di classe X sulla Terra, causando, secondo quanto riferito, blackout radio in Australia, nel Pacifico occidentale e nell'Asia orientale.

Secondo spaceweather.com è probabile che la raffica continui. Le immagini del Solar Dynamics Observatory della NASA mostrano un grande gruppo di macchie solari AR2993-94, pronto a ruotare nel raggio di tiro della Terra.

Sull'onda di questi fenomeni, è stato recentemente scoperto che alcuni fornitori di flight briefing packages non includono gli avvisi meteorologici spaziali standard dell'ICAO, come previsto nell'annesso 3 dell'ICAO, capitolo 9, 9.1.3 k. Ciò significa che molti piloti non ricevono gli avvisi su fenomeni che potrebbero avere ricadute anche sugli impianti degli aeromobili in volo.

In attesa che la distribuzione di avvisi meteorologici spaziali ai membri dell'equipaggio venga implementata, IFALPA ha pubblicato un Safety Bulletin che riporta alcuni siti Internet ufficiali dove è possibile reperire tali informazioni.

Di seguito il documento.

Buona lettura.

ANPAC – Dipartimento Tecnico

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IFALPA SB - SPACE WEATHER ADVISORIES

Dear Colleagues,

For the second time in days, the sun hurled a large, X-class flare at Earth overnight Tuesday (April 19) and Wednesday (April 20), reportedly causing radio blackouts in Australia, the Western Pacific and eastern Asia.

There's likely more action in store, too. Imagery from NASA's Solar Dynamics Observatory shows the large sunspot group AR2993-94, ready to rotate into firing range of Earth. "The fusillade is likely to continue," SpaceWeather.com said of the solar activity.

In the wake of these phenomena, it has recently been discovered that some providers of flight briefing packages do not include the ICAO standard Space Weather Advisories, as provided for in ICAO Annex 3 Chapter 9, 9.1.3 k. This means that many pilots do not receive warnings about phenomena that could also have repercussions on aircraft systems while in flight.

While waiting for the distribution of Space Weather Advisories to flight crew members to be implemented, IFALPA has published a Safety Bulletin which lists some official Internet websites where such information can be found.

Here below the publication.

Enjoy the reading.

ANPAC – Dipartimento Tecnico

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## Space Weather Advisories

ICAO Annex 3, Chapter 9 provides detailed Standards and Recommended Practices for Meteorological information to be supplied to operators and flight crew members for preflight planning, inflight replanning, use by flight crew members before departure, and aircraft in flight.

It has recently been discovered that some providers of the flight briefing packages do not include the ICAO – standard Space Weather Advisories as provided for in ICAO Annex 3 Chapter 9, 9.1.3 k. This means that many pilots do not receive the advisories.

Until such time as the distribution of Space Weather Advisories to flight crew members is implemented, they should be obtained from official sources by a query to the local Met Office or via the internet.

### AUTHORITATIVE AND FREE WEBSITES

Australian Bureau of Meteorology

<http://www.bom.gov.au/aviation/space-weather-advisories/>

Finnish Meteorological Service

<https://www.ilmailusaa.fi/warnings.html#top=0#id=swx#FMILang=en#select-area=4>

Basic information about the ICAO SWx advisories is available on the website of PECASUS, one of the ICAO Global SWx Centres:

<https://pecasus.eu/?p=789>