

Regulatory Briefing – August 2019

International

Publication of revised space debris mitigation guidelines

The International Organization for Standardization (ISO) published a revised standard [ISO 24113:2019](#) on space debris mitigation requirements on 11 July 2019 replacing the previous ISO 24113:2011. ISO 24113 is a high-level international space debris mitigation standard. The 2019 standard modifies many of the existing requirements and terminology and introduces new requirements for the purpose of:

- limiting the total number of launch vehicle orbital stages and space debris objects left in Earth orbit by a launch vehicle during normal operations;
- limiting the ejection of slag debris from solid rocket motors in low Earth orbit;
- limiting the total probability of the successful disposal of a spacecraft or launch vehicle orbital stage to be at least 0,9; and
- avoiding accidental break-ups caused by a collision.

The two underlying standards, [ISO/AWI 23312](#) on detailed space debris mitigation requirements for spacecraft and [ISO/CD 20893](#) on detailed space debris mitigations requirements for launch vehicle orbital stages, are still under development.

Europe

Security of 5G networks

Following the European Union (EU) Commission Recommendation for a common European approach to the security of 5G networks, 24 EU Member States have now completed the first step and submitted national risk assessments. These assessments will feed into the next phase, a EU-wide risk assessment which will be completed by 1 October 2019.

United Kingdom

The future of UK space programmes after Brexit

On 9 August 2019, the UK Space Agency published [Guidance](#) on how the UK's space programmes will be affected by a no-deal Brexit scenario. This Guidance includes analysis on actions for businesses, academics and researchers identifying where UK involvement can continue or will end in relation to the following programmes:

- Galileo – the EU Global Navigation Satellite System;
- European Geostationary Navigation Overlay Service (EGNOS);
- Copernicus Earth Observation; and
- EU Space Surveillance and Tracking (EUSST).

Consultation on implementing the European Electronic Communications Code Directive (EECC) in the UK

On 16 July 2019, the UK Government published a [consultation](#) on its proposed approach to the implementation of the EECC in the UK. The EECC is a revision of the current EU regulatory framework for electronic communications and the consultation document explores transposition choices for:

- access and investment incentives;
- radio spectrum (such as a 'use it or lose it' condition for spectrum licences, assignment of 5G bands and duration of rights for harmonised spectrum for wireless broadband services);
- end-user/consumer rights; and
- universal service obligations.

The consultation closes at 11:45pm (UK time) on 10 September 2019. A consultation response can be submitted online using this [link](#) or by completing a [response form](#) and emailing it to EECC@culture.gov.uk.

United States

New FCC rules for Small Satellite Licensing

The Federal Communications Commission (FCC) has adopted a [Streamlined Small Satellite and Small Spacecraft Process](#) which is an optional licensing process to cover small-scale operations consisting of ten or less small satellites, each with a maximum in-orbit lifetime of six years (including the de-orbit) and a wet mass of 180kg with either the capability to perform manoeuvres or deployed below 600km altitude. The new optional process also introduces a new application and regulatory fee categories for small satellite applicants.

Philippines

Philippine Space Act comes into force

Following our July Regulatory Briefing, [the Philippine Space Act](#) was signed by President Duterte on 8 August establishing the Philippine Space Development and Utilization Policy and the Philippine Space Agency (PhilSA).

Rwanda

Application for COPUOS membership

Rwanda filed an [application for membership](#) of the United Nations Committee of the Peaceful Uses of Outer Space (COPUOS) on 29 May 2019. This follows the Rwandan government's announcement of a long-term space programme in January 2019 and its cooperation agreement in 2018 with the Japan International Cooperation Agency and the Japan Aerospace Exploration Agency to train Rwandan engineers in the manufacture of small satellites. The Rwandan government has designated its Ministry of Information Technology and Innovation as the institution to represent and act at COPUOS.



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