



INTERNAL · COMPANY DIRECTIVE · APPROVED FOR EXCHANGE WITH SPACE ISAC PER SECTION 2

MEMORANDUM

TO: Space Cybersecurity Operations and Resilience (SCOR); Security Operations; Satellite Operations; Satellite Design & Engineering

FROM: **Adaeze N. Okafor**, Chief Executive Officer
Gordon S. Reyes, Chief Technology Officer

DATE: 9 January 2026

SUBJECT: **Approval of METEORSTORM analytic elements for machine-to-machine exchange with Space ISAC**

REFERENCE: KO-EXEC-2026-014 (supersedes: none)

STATUS: Effective immediately. Standing directive.

1. PURPOSE AND AUTHORITY

Kestrel Orbital operates under three co-equal mandates. Two are external. **Executive Order 14144** sets binding protection requirements for the command and control of the space system. The **NIS2 Directive** (Directive (EU) 2022/2555) places our ground infrastructure under mandatory risk-management and reporting duties. The third is ours to run: **machine-to-machine information sharing with the Space Information Sharing and Analysis Center (Space ISAC)**.

This memorandum formalizes the third. It is a standing company directive, not a program option. Sector sharing is how a threat, an attack path, or a detection that one operator confirms becomes usable to the rest of us before it arrives. A finding recorded once in a single controlled vocabulary crosses to Space ISAC and its members with nothing to re-translate. Section 2 states exactly what may cross.

1.1 The three co-equal mandates

MANDATE	SOURCE	WHAT IT REQUIRES OF US
Executive Order 14144	External · United States	Binding protection requirements for command and control of the space system: encrypt commands, protect their integrity, authenticate their source, reject unauthorized attempts, and detect, report and recover from anomalous activity. (Sec. 3(e)(i).)

MANDATE	SOURCE	WHAT IT REQUIRES OF US
NIS2 Directive	External · European Union	Mandatory risk-management and incident-reporting duties on the ground infrastructure, with defined incident-sharing thresholds and clocks.
Space ISAC exchange	Internal · company directive	Machine-to-machine exchange of the approved analytic elements with Space ISAC and its members, in one controlled vocabulary. Formalized by this memorandum.

2. APPROVED ELEMENTS FOR EXCHANGE

The six METEORSTORM analytic-layer element types below are approved for machine-to-machine exchange with Space ISAC. Each is listed with its METEORSTORM tag and its published definition, quoted verbatim. **No element type outside this schedule may cross the channel** without a further written directive from this office.

TAG	ELEMENT	PUBLISHED DEFINITION
AN-THR	Threat	“Confirmed and active threat against a converged space system.”
AN-ATT	Attack Path	“Confirmed attack path for a converged space system.”
AN-IOA	Indicator of Attack	“Confirmed indication that a converged space system has been attacked.”
AN-IOC	Indicator of Compromise	“Confirmed indication that a converged space system has been compromised.”
AN-DET	Detection Signature	“Validated and operational pattern, signal, or logic that triggers on contextualized threat behavior for a converged space system.”
AN-RES	Resilience Measure	“Validated and operational protective capability ensuring converged space system resistance or recovery from confirmed threats.”

Definitions are the published METEORSTORM analytic-layer (AN) text. They are not to be reworded, shortened, or paraphrased in any exchanged record.

3. CONDITIONS OF EXCHANGE

- 3.1 Every exchanged element carries its METEORSTORM tag and, where it names a specific instance on our platform, its Enumerated Taxonomic Element Nomenclature (ETEN) identifier and parent chain. A record then means the same thing on both ends.
- 3.2 Exchange is **machine to machine**: structured records over the agreed Space ISAC interface, not free-text email or ad hoc attachments.

- 3.3** The channel is scoped, not open-ended. It serves the first two mandates directly. SCOR shares a redacted alert on a confirmed command-and-control attack under Executive Order 14144, and exchanges incident records consistent with the thresholds and clocks the NIS2 Directive sets.
- 3.4** **Redaction before release is mandatory.** Mission-sensitive detail, customer identity, and any content restricted under ITAR or EAR is removed or withheld. Only the approved element and the context needed to act on it leaves the company.
- 3.5** Exchange is reciprocal. Elements received from Space ISAC in the same vocabulary are ingested into our shared platform view and routed to the department that owns the affected element.

4. DIRECTION TO SCOR

SCOR will carry Executive Order 14144, the NIS2 Directive, and this exchange mandate as **three co-equal goals**, weighted equally in how the platform is described, defended, monitored, and recovered. None is subordinate to the other two. The shared description of the platform SCOR builds, starting with the telecommand path, is the same description that produces the elements this channel exchanges. The work done for the first two mandates is the work that feeds the third.

SCOR owns the vocabulary, the interface, and the redaction standard, and trains Security Operations, Satellite Operations, and Satellite Design & Engineering to produce and consume these elements as one system. Questions of scope on any element not listed in Section 2 come to this office in writing.

5. APPROVAL

Approved and issued under the joint authority of the Chief Executive Officer and the Chief Technology Officer. This memorandum is executed electronically; the digital signatures below are the record copy.

Adaeze N. Okafor

Adaeze N. Okafor

CHIEF EXECUTIVE OFFICER

Kestrel Orbital

Digitally signed by Adaeze N. Okafor

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CHIEF TECHNOLOGY OFFICER

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Analytic-element definitions per the METEORSTORM data model, analytic layer (AN). Space ISAC: Space Information Sharing and Analysis Center. This directive stands co-equal with Executive Order 14144 and the NIS2 Directive.