WIRE Technology & Cyber

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BLUF. WIRE Technology & Cyber holds at **ENVIRONMENT FOR CRISIS**, trend ↑, because the US remote-access chip rule now affects real supply. The Bureau of Industry and Security (BIS) rule (91 FR 74970) was published and took effect on 19 Nov. TSMC told Reuters it "will comply" with the rule. Two people told Reuters that TSMC has halted some orders at 16 nm and below for Chinese chip designers unless they hold a US licence. The Trump–Xi meeting in Shenzhen on 19 Nov did not address chips in its readouts. MOFCOM has threatened countermeasures but has not yet named any, and no extension of the No. 72 gallium pause, which ends 27 Nov, has been published. Monadnock Community Hospital was still on ambulance diversion in its 19 Nov update. Three calls resolve as misses: TEC-05, TEC-06 and TEC-42. New calls: TEC-53 and TEC-54.

0. WIRE Technology & Cyber Dashboard

TOPIC	CRISIS LEVEL	DOM. INDICATOR	KEY DRIVER (today)	TREND
TEC-T2 Semiconductors and compute	ENVIRONMENT FOR CRISIS	SIGNIFICANT	X-1: BIS rule in force 19 Nov; TSMC says it will comply, and reports say it is halting some orders; X-2: MOFCOM threat stands	↑
TEC-T1 Critical-infrastructure cyber	ENVIRONMENT FOR CRISIS	SIGNIFICANT	K-3: Monadnock on ambulance diversion, day 11; K-4: 324 leak-site victims week to date	=
TEC-T4 AI governance and incidents	ENVIRONMENT FOR CRISIS	SIGNIFICANT	AI-3 carried (CoreWeave 15 Nov); minor Cloudflare R2/Durable Objects incident 19 Nov	=
TEC-T3 Space and undersea infrastructure	NO CRISIS	ABNORMAL	O-2: Gulf of Finland GNSS interference eases to 14% of area-hours; no new attributed sabotage	=

Indicator: ROUTINE | ABNORMAL | SIGNIFICANT | EXTREME **Crisis level:** NO CRISIS | ENV. FOR CRISIS | POTENTIAL | PROBABLE | IMMINENT

Family level = highest topic level. Roll-up per WIRE_METHOD §1a. Trend key: ↑ toward crisis, ↓ away, = no net change.

Change line. No topic changes level. The family stays at ENVIRONMENT FOR CRISIS, and TEC-T2 keeps the trend at ↑.

Moved indicators (vs 18 November; no 19 Nov edition was issued). No indicator changed its score. X-1 stays SIGNIFICANT, but the rule has moved from pending to in force and foundries are applying it. K-1 rises from 1 to 5 additions for 16–22 Nov and stays ROUTINE. K-4 rises from 184 to 324 victims week to date and stays ABNORMAL.

I. TEC-T2 SEMICONDUCTORS AND COMPUTE | ENVIRONMENT FOR CRISIS

Facts. The interim final rule "Addressing Remote Access to Advanced Semiconductors" (FR Doc. 2026-23529, 91 FR 74970) was published and took effect on 19 Nov. Comments close on 19 Jan 2027 (Federal Register). Under the rule text, data centers that already supply significant compute to companies headquartered in Country Group D:5 or Macau must obtain a licence within 90 days. Shipments already en route on 19 Nov may proceed if completed by 21 Dec. The rule also narrows how chip designers in licensed destinations can overcome the presumptions that apply to foundry and packaging exports (rule text). Reuters reports, citing two people and TSMC guidance, that TSMC has halted affected orders at 16 nm and below for Chinese designers unless they obtain US licences. Reuters also reports that TSMC is generally limiting those designers to 28/40 nm without HBM or advanced packaging. TSMC told Reuters it "will comply with the new Bureau of Industry and Security regulations as applicable" (Reuters via Investing.com; DIGITIMES). The Trump–Xi meeting in Shenzhen on 19 Nov produced no announced change on chips or critical minerals. Chip export controls did not appear in China's readout (Straits Times; CNA). MOFCOM's 17 Nov statement still says only that China "will take countermeasures" if the US persists (MOFCOM). No MOFCOM notice extending No. 72 had been found by 20 Nov (MOFCOM No. 72). The Federal Register API lists no other BIS document since 10 Nov (FR API). **Indicators.** X-1 SIGNIFICANT (the rule is in force, and the largest foundry has confirmed it will comply); X-2 ABNORMAL (threat only; No. 72 expires in 7 days); X-3 ROUTINE (TSMC October revenue carried); X-4 ROUTINE (no fab outage). Roll-up: ENVIRONMENT FOR CRISIS. Trend ↑.
Analyst Comment. The rule has moved from paper to production lines. If foundries cut Chinese designers off from leading nodes, that is the kind of loss Beijing has answered before with mineral controls. The Shenzhen readouts called for managing differences, which lowers the odds of a loud response. A quiet lapse of No. 72 on 27 Nov is still the cheapest move for Beijing. The desk rates an extension by 27 Nov as roughly even chance (logged TEC-09: 65%).

II. TEC-T1 CRITICAL-INFRASTRUCTURE CYBER | ENVIRONMENT FOR CRISIS

Facts. Monadnock Community Hospital's update of 19 Nov, 4:00 PM, says the emergency department is open "however, we continue to remain on ambulance diversion". Major elective surgeries, outpatient radiology and outpatient laboratory services remain unavailable through 23 Nov (MCH). CISA added four KEV entries on 18 Nov: Synology DSM CVE-2024-10441, BerriAI LiteLLM CVE-2026-40217, Vanderbilt REDCap CVE-2026-90817 and Apache Axis CVE-2026-90436. The catalog is now at version 2026.11.18 with 1,786 entries, and the 16–22 Nov count is 5 (CISA; KEV feed). The CISA directives page lists no new Emergency Directive (CISA directives). Ransomware.live counts 109, 59, 69 and 74 victims for 16–19 Nov and 13 so far on 20 Nov (UTC). That is 324 for the week to date, against an 8-week mean that is now 269.5 after backfill (feed). An EDGAR full-text search found no 8-K filed 10–20 Nov that cites Item 1.05 (EDGAR FTS). University Hospitals' incident page still says only "unusual activity" and "cybersecurity incident" (UH). Vanderbilt has not confirmed data access (Vanderbilt). **Indicators.** K-1 ROUTINE (5); K-2 ABNORMAL (carried); K-3 SIGNIFICANT (Monadnock diversion, day 11); K-4 ABNORMAL (week to date 20% above the mean with 2.5 days left); K-5 ROUTINE. Roll-up: ENVIRONMENT FOR CRISIS. Trend =. **Analyst Comment.** TEC-44 (≥ 330 victims) is very likely to hit when it is scored on 24 Nov, since only 6 more postings are needed. TEC-43 (≥ 10 KEV additions) is likely to miss.

III. TEC-T4 AI GOVERNANCE AND INCIDENTS | ENVIRONMENT FOR CRISIS

Facts. China's readout of the Shenzhen meeting called for coordination on AI safety risks (Straits Times). Cloudflare logged an incident, "R2 and Durable Objects availability issues", from 02:52 to 04:35 UTC on 20 Nov (9:52–11:35 PM ET on 19 Nov). It also logged a Workers Observability delay on 19 Nov (Cloudflare status). The Federal Register shows no new AI-specific federal action on 18–20 Nov apart from the BIS rule, which is scored under T2 (FR API). **Indicators.** AI-1 ABNORMAL (carried); AI-2 ABNORMAL; AI-3 SIGNIFICANT (CoreWeave carried; the new incidents had partial scope). Roll-up: ENVIRONMENT FOR CRISIS. Trend =.

IV. TEC-T3 SPACE AND UNDERSEA INFRASTRUCTURE | NO CRISIS

Facts. No new attributed ground-station or cable sabotage was found for 18–20 Nov. Gulf of Finland/Estonia GNSS interference eased from 16% of area-hours on 18 Nov to 14% on 19 Nov (NAVWAR monitor). **Indicators.** O-1/O-2/O-3 ABNORMAL (carried). **Override −1 to NO CRISIS (held):** the only sabotage event in the 30-day window failed. Trend =.

V. PREDICTIONS

Resolved: - **TEC-42 MISS** (35%): Monadnock was still on diversion on 18 and 19 Nov. Brier 0.1225. - **TEC-05 MISS** (75%): no national cyber agency or affected organisation confirmed a compromise via CVE-2026-109618/109619 by 20 Nov. The CISA and Singapore CSA alerts describe exploitation in general terms. The Check Point and Palo Alto reports are vendor reports, which the criteria exclude. Brier 0.5625. - **TEC-06 MISS** (70%): University Hospitals still describes the event only as "unusual activity" and a "cybersecurity incident". Brier 0.49.

Pending: TEC-43 (5 of 10) resolves 23 Nov. TEC-44 (324 of 330) resolves 24 Nov. TEC-52 (Monadnock lifts diversion by 25 Nov) is open. TEC-09 (No. 72 extension) resolves 27 Nov. TEC-51 (MOFCOM countermeasure) runs to 18 Dec.

New: - **TEC-53:** CISA adds 8 or more entries to the KEV catalog in the week 23–29 Nov 2026 (KEV JSON dateAdded). **40%, unlikely.** - **TEC-54:** Ransomware.live victim postings for 23–29 Nov 2026 total 270 or more. **60%, likely.**

VI. GAPS AND UNVERIFIED

- The TSMC order halt rests on two unnamed sources and TSMC guidance seen by Reuters. TSMC confirmed only that it will comply. The FT report that Samsung also suspended some shipments has not been seen in primary form.
- The Check Point PHP2Shell victims (Israeli organisations hit with ESXi wiping) are unnamed, and the actor is unattributed.
- The KEV feed may lag. No 19 Nov alert was found.
- EDGAR full-text search returns limited hits per query. Item 1.05 filings that use other wording could be missed.
- Monadnock and Greiz: the attacker and any data impact are still unconfirmed.

Sources

Federal Register; MOFCOM; Reuters (Investing.com); DIGITIMES; The Straits Times; CNA; Monadnock Community Hospital; CISA; CISA KEV; ransomware.live; SEC EDGAR; University Hospitals; Vanderbilt University; Cloudflare status; NAVWAR RFI monitor.