

Standardized Styling of Digital NOTAMs: SAE-G10 & OGC

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Who is Luciad?

- Software Components
- Technology for Geospatial Situational Awareness
- Focus on Aviation, Maritime, Defense & Security
- Cross-platform
 - ✓ Control center
 - ✓ Mobile
 - ✓ On-board



SAAB

NATS



ITT EXELIS



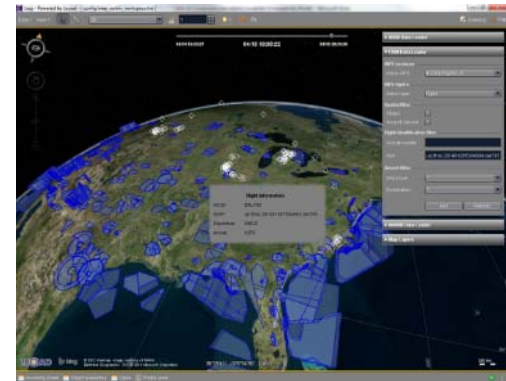
Digital NOTAM research in OGC OWS-10

- **Research project to advance OGC & open industry standards**

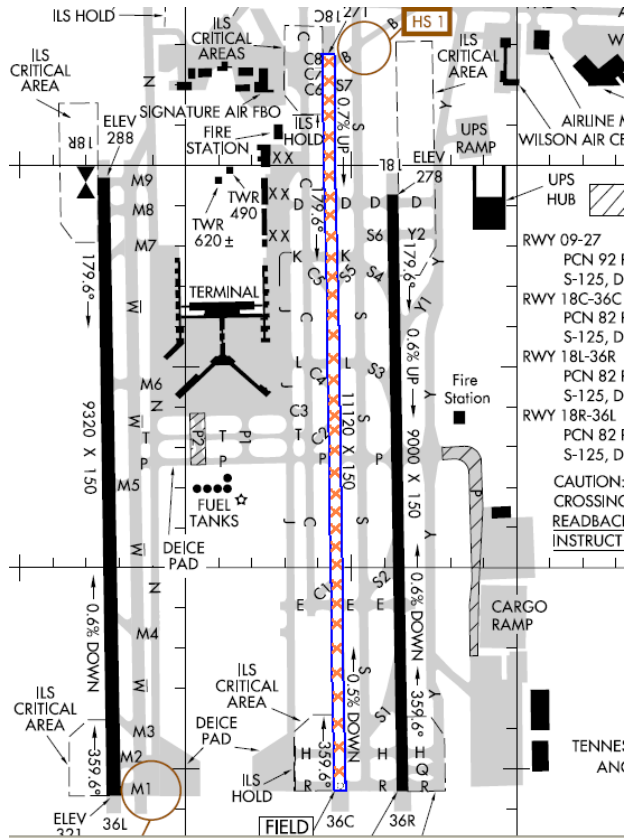
- ✓ Aviation examples: AIXM, Digital NOTAMs, FIXM, WXXM, OGC web services, ...
- ✓ Collaboration between OGC, Eurocontrol, FAA, industry, universities ...

- **Digital NOTAM research goals**

- ✓ Visualization of Digital NOTAM 2.0 events
- ✓ Using SAE-G10 recommendations
- ✓ Standardized representation using OGC Symbology Encoding



Runway Closure



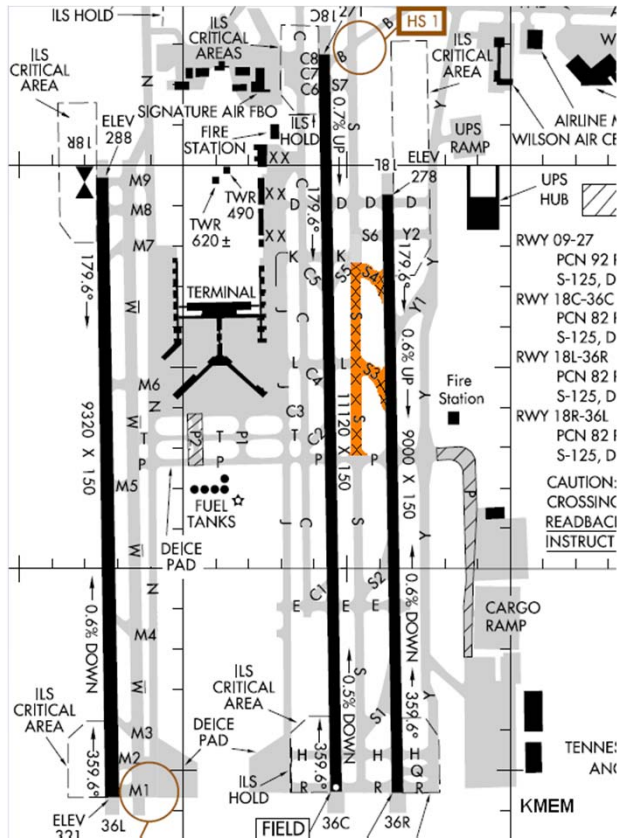
Source: SAE-G10



Source: Luciad Aviation Client

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Taxiway Closure



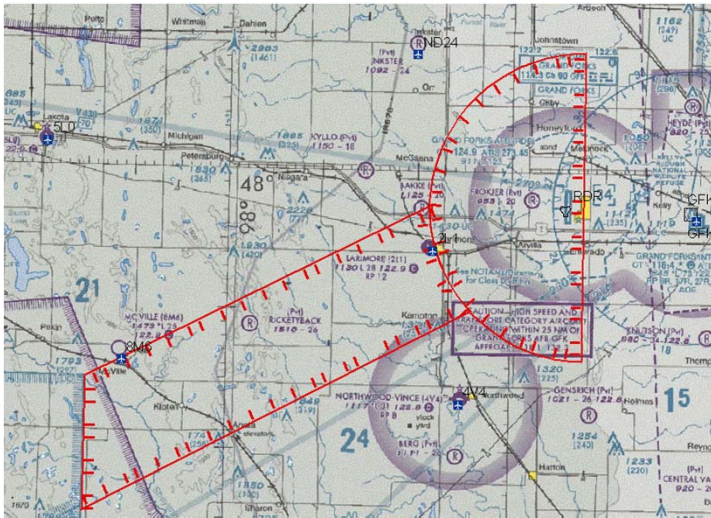
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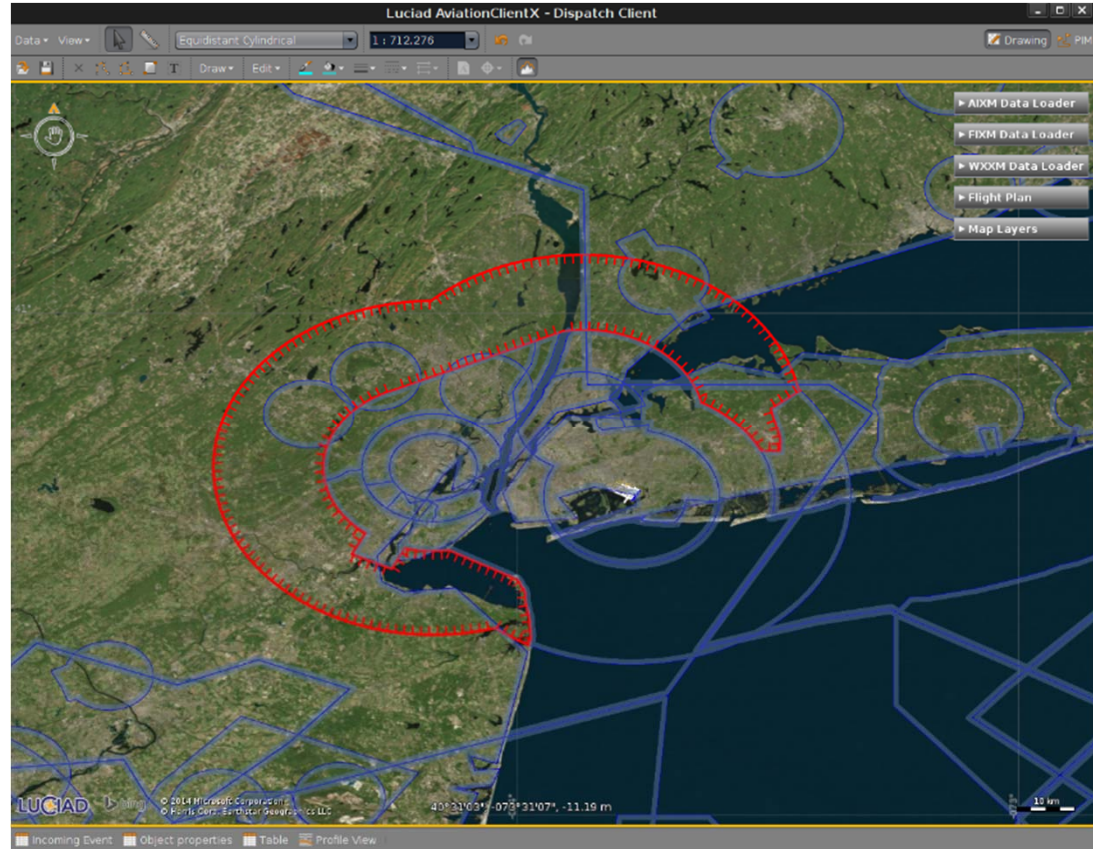
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Temporary Flight Restriction



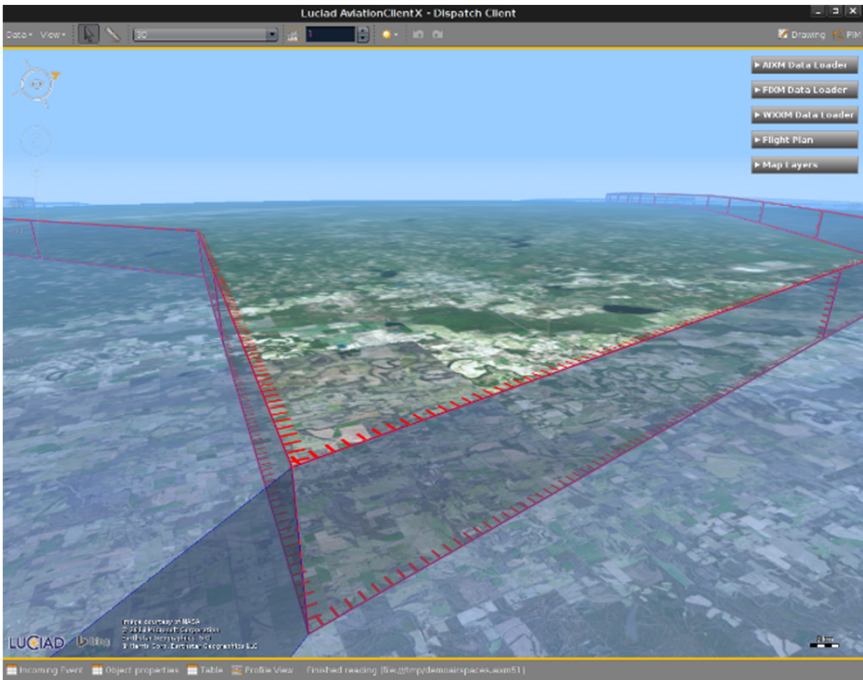
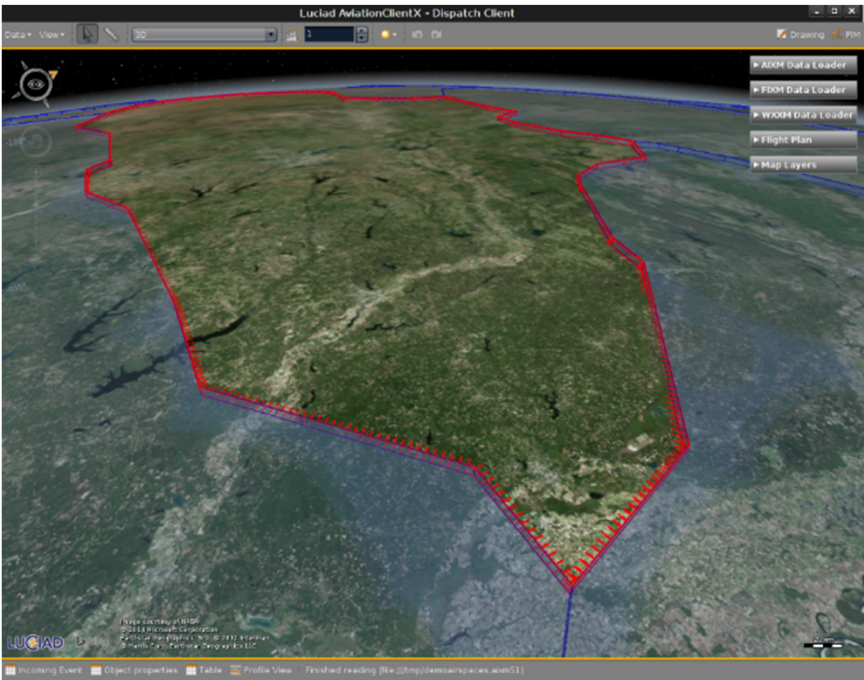
Source: SAE-G10



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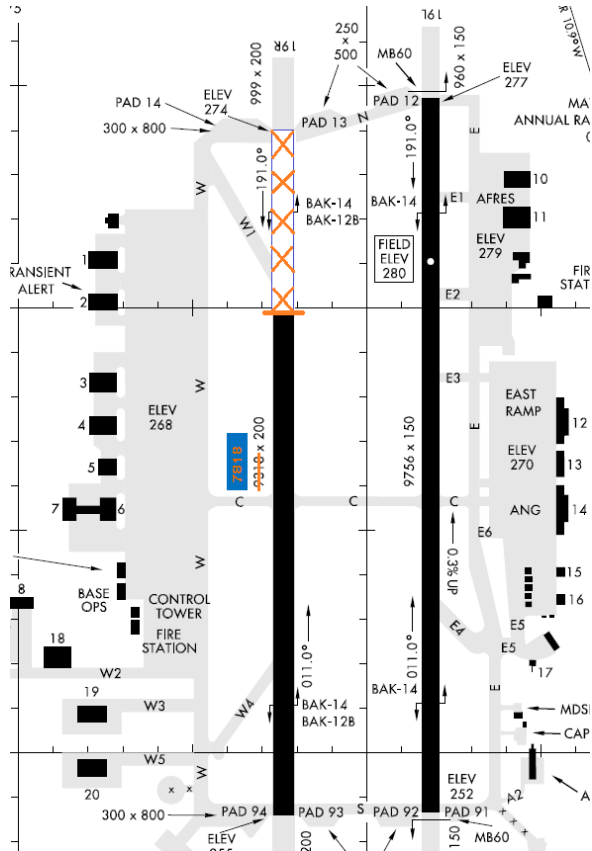
Temporary Flight Restriction in 3D



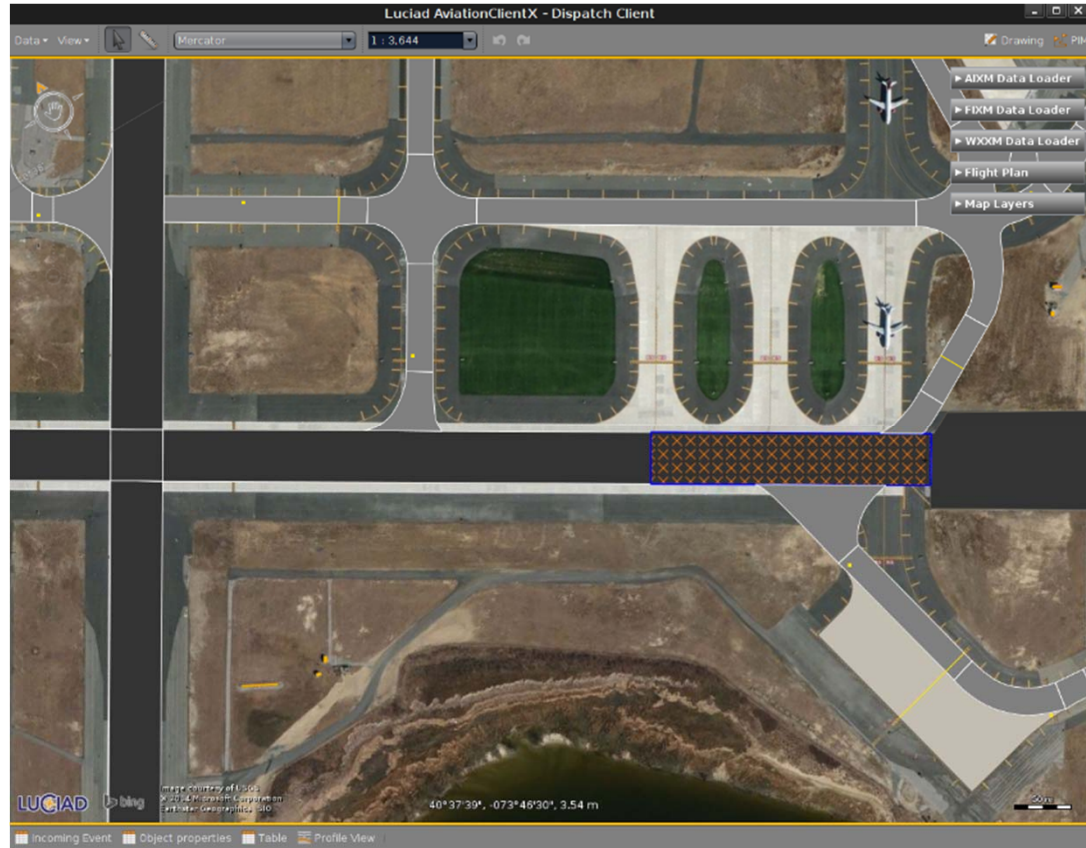
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Runway Shortened



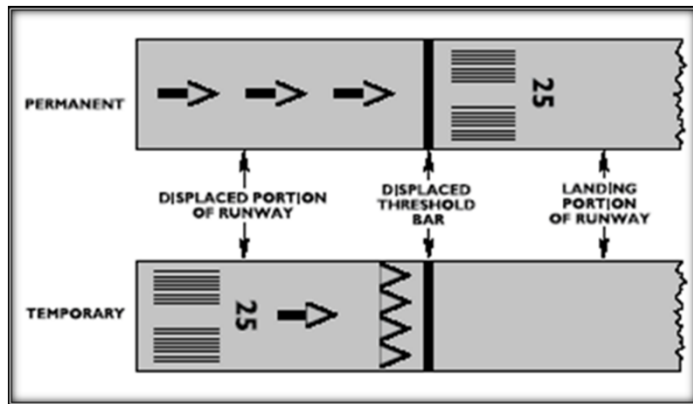
Source: SAE-G10



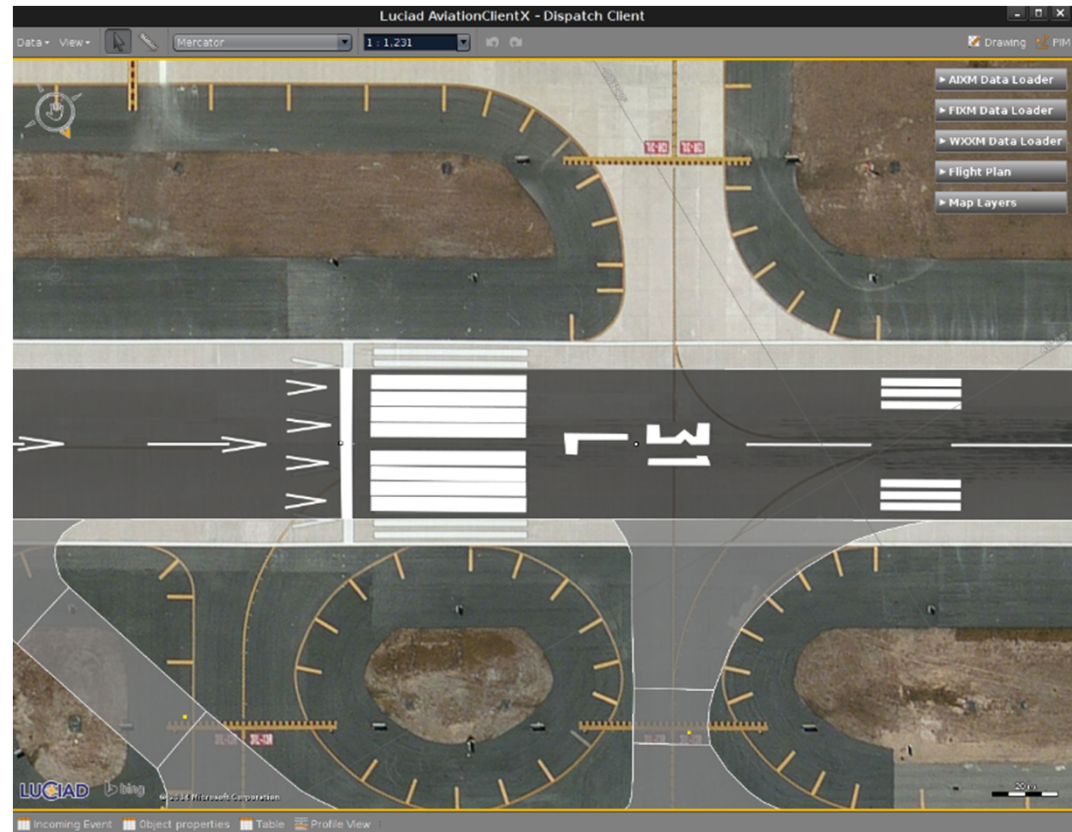
Source: Luciad Aviation Client

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Displaced Threshold Runway



Source: SAE-G10



Source: Luciad Aviation Client

Advancements and Benefits

- **Advancements**

- ✓ The ability to visualize a number of key DNOTAM 2.0 events graphically using SAE-G10 guidelines

- **Benefits**

- ✓ Use of core Symbology Encoding 1.1 ensures that any AIXM 5.1/DNOTAM 2.0 capable client can now visualize DNOTAMs in a uniform and standardized way.

- **Ongoing Research**

- ✓ Feedback welcome for continuous improvements

More information

- **Exhibition**
- **Aviation Webinar**
 - ✓ May 27th
 - ✓ Registration:
<https://www4.gotomeeting.com/register/585676831>
- **OGC Engineering Report**
 - ✓ OGC 14-039: Human Factor Based Portrayal of Digital NOTAMs
- **Luciad AI XM Viewer**