Esri Production Mapping: Creating Smart Surround Elements

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Esri Production Mapping
A collection of ArcMap Extensions
Typical Cartographic Process

Eat, Map, Sleep, Repeat…
Layout
Providing Context

- **Elements**
  - Producer Info
  - Logos
  - Label
  - Table
  - Legend
  - North Arrow
Graphic Table Element
Data driven tables

- Dynamic table
  - Updates with map
- Data driven table
  - Values direct/derived
- Customizable design

<table>
<thead>
<tr>
<th>LAUS</th>
<th>APP CRS</th>
<th>Rdw Ldg</th>
<th>NDRL APP CO</th>
</tr>
</thead>
<tbody>
<tr>
<td>117.3</td>
<td>311</td>
<td>4825</td>
<td>127.13 183 253.13 367</td>
</tr>
</tbody>
</table>

A pilot briefing bar and a section of a communications bar from an aeronautical chart

ROAD CLASSIFICATION

- Primary highway, hard surface
- Secondary highway, hard surface
- Light-duty road, hard or improved surface
- Unimproved road

A legend composed of individual text and line elements
Topographic North Arrow
Using Declination Angles

- Dynamic Element
  - Updates on map location
  - Updates on date
- Topo Maps
- Limited Customization
  - Create Declination Diagram

Demo
Conclusion

- Layout reusable template
- Use Dynamic Elements
- Map automation
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