Govt Participation

Infrastructure
Only

No public
Encouragement

Permission to broadcast

100% Funding
Use Required By Regulation

Needed = Infrastructure + $40M + $4M/yr
Possible Revenue Streams

• Guaranteed delivery data transmission
• PNT Interference Detection and Monitoring
• Proof of Time and Proof of Position
• Licensing Receivers
• Licensing the Signal
• Licensing the Data Channel
• Licensing a Portion of the Signal
• Broad Based User Fees
Sample Business Model

- 20 year lease
- Operator allowed to provide other services w/o interfering with basic service.
- Customer gets equipment lease & tiered services (cable box model)
- Time synched to USNO
- Operator has exclusive right to provide differential services.
- Government may or many not encourage or require use of a resilient time source for CIKR.
## Early Adopters

<table>
<thead>
<tr>
<th>Industry</th>
<th>Primary Use</th>
<th>Early Adopter Subscriptions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Telecommunications</td>
<td>Sync Time and Phase</td>
<td>750,000</td>
</tr>
<tr>
<td>Financial Services</td>
<td>Sync Time</td>
<td>50,000</td>
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<tr>
<td>Energy</td>
<td>Frequency and Phase</td>
<td>10,000</td>
</tr>
<tr>
<td>Transportation</td>
<td>Time</td>
<td>5,000,000</td>
</tr>
</tbody>
</table>

### Sources:

- Industry/Trade Associations (e.g., ATIS, Small Cell Forum, SIFMA, NERC)
- Executive Order 13636 of February 12, 2013
- Institute for Defense Analysis “Independent Assessment Team (IAT) Summary of Initial Findings on eLoran” dated January 2009.
Early Adopters Reasons

- Lower Cost
- Continuity of Operations
- Data Services
- Economic Impact
Telecom Value Prop

Competitive Advantage

Reduced Costs

Increased Capacity

Increased Network Resilience.

Future Proof

*Based on mature eLoran technology developed in the US and now operating in the UK.