Alignment Strategy

**Asteroid Identify Segment**
- 2013: SST
- 2014: PS-2
- Enhanced ground assets & Initial candidates
- 2016: Potential GEO-hosted payload detection
- 2017: Final target selection

**Asteroid Redirect Segment**
- 2018: Mission Launch & SEP Demo
- 2019: Asteroid Rendezvous & Capture
- 2020: Asteroid Maneuver to trans-lunar

**Asteroid Explore Segment**
- 2016: Enhanced ground assets & Initial candidates
- 2017: Potential GEO-hosted payload detection
- 2018: Mission Launch & SEP Demo
- 2019: Asteroid Rendezvous & Capture
- 2020: Asteroid Maneuver to trans-lunar
- 2021: EM-2: Crew beyond the Moon

Key Milestones:
- **2013**: First flight of Orion
- **2014**: Un-crewed Orion test beyond the Moon
- **2016**: Potential GEO-hosted payload detection
- **2017**: Final target selection
- **2018**: Mission Launch & SEP Demo
- **2019**: Asteroid Rendezvous & Capture
- **2020**: Asteroid Maneuver to trans-lunar
- **2021**: EM-2: Crew beyond the Moon
Overall Mission Consists of Three Main Segments

Identify

Asteroid Identification Segment:
Ground and space based NEA target detection, characterization and selection

Redirect

Asteroid Redirection Segment:
Solar electric propulsion (SEP) based robotic asteroid redirect to trans-lunar space

Explore

Asteroid Crewed Exploration Segment:
Orion and SLS based crewed rendezvous and sampling mission to the relocated asteroid