

Cargo Delivery

SPACEX



Crew Dragon



Additional Development Required to Fly Crew



- **Launch Escape System**
 - Preliminary design options defined
 - Leverages heavily off existing SpaceX designs and capabilities
 - Existing Dragon systems designed to accommodate escape system, including abort loads
- **Crew Accommodations**
 - Seats, displays and controls
 - Up-rate Environmental Control System to full **Life Support**
 - Add CO2 & Humidity Control
- **2.5 years** required for first crewed mission

