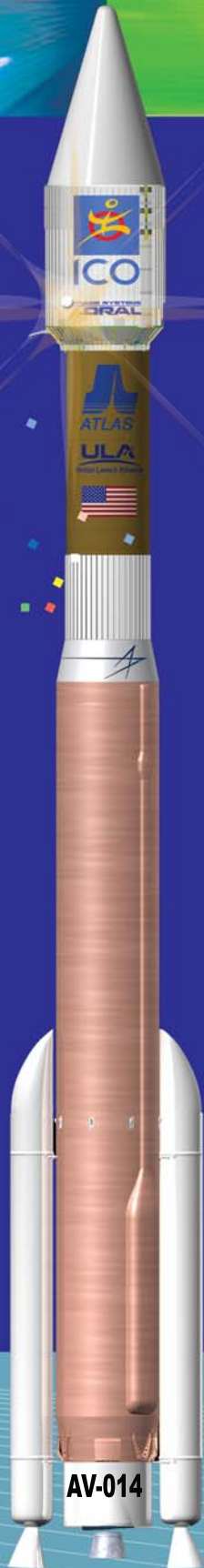


ICO G1



The ICO G1 mission will be flown from Launch Complex 41 (LC-41) at Cape Canaveral, Florida on an Atlas V launch vehicle (421 configuration, tail number AV-014) with two solid rocket boosters (SRB) and a single engine Centaur upper stage. The ICO G1 satellite will be encapsulated in a 4-meter diameter extended-extended payload fairing (XEPP) and integrated to the Centaur using a C-22 payload adapter (PLA), a B1194 low-shock payload separation system (LSPSS) and electrical harness.

The mission will commence at T-5 seconds when the aft plate ejects from the launch vehicle, followed by the Atlas RD-180 engine ignition at approximately T-2.7 seconds. SRB ignition takes place at T+0.8 seconds.

Liftoff occurs at T+1.1 seconds. Shortly after the vehicle clears the launch pad, it performs a programmed pitch/yaw/roll maneuver. Maximum dynamic pressure occurs at 43 seconds into flight.

Vehicle telemetry and data are gathered and relayed through various local and down-range tracking stations. The Tracking and Data Relay Satellite System (TDRSS) also serves to downlink vehicle telemetry throughout the mission.

Centaur separation initiates 6 seconds after Booster Engine Cutoff (BECO). Centaur Main Engine Start (MES1) occurs 10 seconds after the separation event at T+271.3 seconds. Payload fairing jettison takes place at 279.2 seconds; 8 seconds after MES1. At 868.3 seconds the engines shutdown for the Main Engine Cutoff (MECO1) and the Centaur has achieved its parking orbit.

After a 8-minute coast phase, Centaur reorients itself for engine re-ignition. Main Engine Start 2 (MES2) begins at 1352.8 seconds. MECO2 takes place at 1661.4 seconds.

Following another short coast phase, the Centaur will begin to reorient its attitude and commence a transverse spin maneuver prior to spacecraft separation.

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Mission Overview

The ICO G1 next-generation satellite will deliver advanced nationwide mobile interactive media services to portable and handheld devices. ICO mim™ will provide live mobile television, a new level of interactive consumer navigation and enhanced roadside assistance capabilities, all made possible by the ICO G1 satellite. With this launch, ICO will become America's first nationwide mobile interactive media company.

Satellite Operator:

ICO Global Communications
www.ico.com

Satellite Manufacturer:

Space Systems/Loral

Separated Mass:

6,634 kg

Design Life:

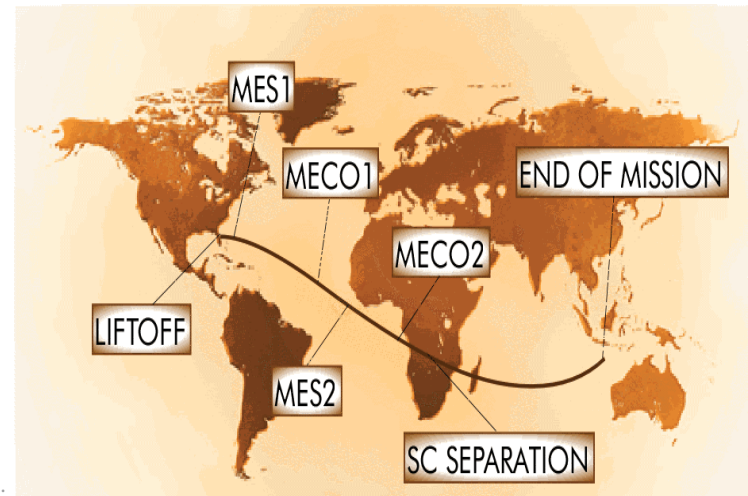
15 years

Spacecraft:

The ICO G1 satellite is over 27 feet tall, features a 12-meter unfurlable mesh S-Band reflector, provides 16 kW of power with solar arrays that span over 100 feet when deployed, and weighs in at approximately 6,634 kg fueled, making it the heaviest satellite ever launched an Atlas V launch vehicle. The ICO G1 satellite is the first satellite to utilize ground based beam forming in the forward and return directions, and will be located at 92.85 degrees West, providing ubiquitous coverage over the United States.

T-Times and Mission Events

| Event | HR:MIN:SEC |
|--|------------|
| 1 Liftoff | 0:01:01 |
| 2 Solid Rocket Booster (SRB) Burn Out | 0:01:31 |
| 3 Solid Rocket Booster (SRB) Jettison | 0:02:17 |
| 4 Booster/Centaur Separation | 0:04:21 |
| 5 Centaur 1st Main Engine Start (MES1) | 0:04:31 |
| 6 Payload Fairing Jettison | 0:04:39 |
| 7 Centaur 1st Main Engine Cutoff (MECO1) | 0:14:28 |
| 8 Centaur 2nd Main Engine Start (MES2) | 0:22:32 |
| 9 Centaur 2nd Main Engine Cutoff (MECO2) | 0:27:41 |
| 10 Spacecraft Separation | 0:30:47 |



All times are approximate.