



Atlas V to Launch the Fourth Mobile User Objective System (MUOS-4)

Rocket/Payload: A United Launch Alliance Atlas V 551 will launch the U.S. Navy's fourth Mobile User Objective System (MUOS-4) satellite, built by Lockheed Martin.

Date/Site/Launch Time: Monday, Aug. 31, 2015, from Space Launch Complex-41 at Cape Canaveral Air Force Station, Florida. The 44-minute launch window opens at 6:07 a.m. EDT.

Launch Viewing: A live stream of the launch broadcast will be available at www.ulalaunch.com beginning at 5:47 a.m. EDT. The high-definition launch broadcast is also available via satellite:

- Satellite: SES 2
 - Transponder: 21
 - Band: C-Band Digital
 - Orbital Position: 87 degrees west
 - Carrier: SES Americom
 - HD Bandwidth: 18 MHz (half transponder 'AB')
 - Downlink Frequency: 4111 MHz (Horizontal)
 - Uplink Frequency: 6336 MHz (Vertical)
 - Symbol Rate: 13
 - FEC: $\frac{3}{4}$
 - Data Rate: 17.9705
 - DVBS-QPSK
 - MPEG-2
 - AUDIO EMBEDDED
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- Bars and tone will begin at 5:17 a.m. EDT.

Mission Description: The Navy's Mobile User Objective System (MUOS) is a next-generation narrowband tactical satellite communications system designed using a combination of orbiting satellites and relay ground stations to significantly improve communications for U.S. forces on the move. MUOS will provide new beyond-line-of-sight communications capabilities, with smartphone-like simultaneous voice, video and data – to connect military users almost anywhere around the globe.

Launch Notes: MUOS-4 will mark the 56th Atlas V since the vehicle's inaugural launch in August 2002 and the sixth in the 551 configuration. Previous missions launched on Atlas V 551 missions include three MUOS missions as well as the New Horizons mission to Pluto and the Juno mission to Jupiter.

Launch Updates: To keep up to speed with updates to the launch countdown, dial the ULA launch hotline at 1-877-852-4321 or join the conversation at www.facebook.com/ulalaunch, twitter.com/ulalaunch and instagram.com/ulalaunch. Hashtags: #MUOS #AtlasV

Go Atlas! Go Centaur! Go MUOS-4!