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SPACE SHUTTLE (STS-130 / ENDEAVOUR)

Space Shuttle Endeavour with a crew of six astronauts on Mission STS-130 will deliver a third connecting module — the Tranquility module — to the International Space Station (ISS). The Tranquility module will contain life support systems enabling continued human presence in orbit aboard the space station. Endeavour will also deliver to the station a 7-windowed cupola, which is the robotics control viewing station from which the astronauts will have the opportunity not only to monitor a variety of ISS operations, but also to study our home planet. A series of 3 spacewalks are planned during the 13-day flight, also designated as flight 20A in the ISS assembly sequence, which will be the 32nd flight to the orbiting station complex.

THE STS-130 CREW — A veteran shuttle astronaut, **George D. Zamka**, will lead the Endeavour crew of STS-130. He has logged 362 hours in space as a shuttle pilot since his selection to the astronaut corps in 1998. First-time space flier, **Terry Virts**, chosen for the astronaut program in 2000, will be making his first space trip as the shuttle pilot. The STS-130 mission specialists are: Veteran astronaut **Nicholas J.M. Patrick**, an astronaut since 1998 with 308 hours in space, is part of Endeavour's spacewalk team. Another spacewalk crewmate, **Robert L. Behnken**, has logged 378 hours in space with 3 spacewalks since becoming an astronaut in 2000. The lead spacewalker for STS-130 is **Stephen K. Robinson**, a veteran of 3 spaceflights with 830 hours in space, including over 20 spacewalk hours, has been an astronaut since 1995. Also from the astronaut class of 1995, **Kathryn P. Hire**, will be making her second shuttle flight after logging 381 hours in space.

THE STS-130 CREW INSIGNIA — The STS-130 patch was designed by the crew to reflect both the objectives of the mission and its place in the history of human space travel. The shape of the emblem represents the cupola, a windowed robotics viewing station for the astronauts, with an image of Earth depicted in the patch. It is the same picture of the Earth that was taken from the moon by the unmanned Lunar Orbiter 1 probe in 1966. As both a past and a future designation for explorers from the planet Earth, the moon is thus represented symbolically in the design of the STS-130 patch. The Space Shuttle Endeavour is seen approaching the ISS, symbolizing the shuttle's role as the prime construction vehicle for the orbiting space station outpost.