



1

00:00:01,240 --> 00:00:06,840

Earlier today we went, took you on location here at the Johnson Space Center to talk

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00:00:06,840 --> 00:00:11,210

with Monica Visinsky, a test coordinator for new a construction of a device.

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00:00:11,210 --> 00:00:14,870

We will go back out there now to see some the testing that's taking place.

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00:00:14,870 --> 00:00:20,060

That device again is the Japanese Experiment Module ORU Transfer Interface.

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00:00:20,060 --> 00:00:26,610

Yeah, the robotics here demonstrating how this device will allow the crew

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00:00:26,610 --> 00:00:31,260

to put an orbital replacement unit or an ORU through the small airlock

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00:00:31,260 --> 00:00:36,690

in the Japanese Experiment Module so that Dextre, the station's two-armed robot can change

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00:00:36,690 --> 00:00:39,830

out the ORUs without a spacewalk required.

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00:00:39,830 --> 00:00:46,900

Some examples of the Orbital Replacement Units might be a pump or a storage tank,

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00:00:46,900 --> 00:00:50,280

antennae or a battery unit or controller box.

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00:00:50,280 --> 00:00:56,270

With this new device that is being tested now here, any failed ORUs can then be brought back

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00:00:56,270 --> 00:01:00,230

in to the space station for repair and/or return to the ground.

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00:01:00,230 --> 00:01:05,100

This is a prime example of some of the international cooperation that takes place

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00:01:05,100 --> 00:01:06,480

on the International Space Station.

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00:01:06,480 --> 00:01:12,700

This is a collaboration with the Canadian Dexter arm as well as the Japanese airlock,

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00:01:12,700 --> 00:01:15,900

and also using now the US part of this.

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00:01:15,900 --> 00:01:18,560

This device being tested here now.