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I'm Van Feng, I'm Manager of The International Space Station Transportation Integration Office.

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The International Space Station is a perfect test bed for testing technologies before we

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go on to Mars. The Martian trip is several years including a nine-month journey to and

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from Mars. The Space Station is basically in our own backyard, only two-hundred and

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fifty miles up. We can test things in micro-gravity, perfect them before we go off onto the much

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longer journey onto Mars. Similarly, we're testing a human system

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to be able to identify the things that degrade when crew members are in micro-gravity or

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reduced gravity for long periods of time. As well as developing counter measures to

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ensure that on our long journeys once they arrive at the Martian surface, they are going