

Commercial Crew Development Environmental Control and Life Support System Status: 2011 - 2012

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The National Aeronautics and Space Administration (NASA) Commercial Crew Development (CCDev) – 2 Program is managed within the new Commercial Crew Program Office (CCPO) to help develop a commercial crew transportation system to low earth orbit (LEO). It is intended to foster entrepreneurial activities with a few selected companies. The entrepreneurial activities were encouraged with these few selected companies by NASA providing only part of the total funding to complete specific tasks that were jointly agreed to by NASA and the company. These joint agreements were documented in a Space Act Agreement (SAA) that was signed jointly by NASA and the selected company. This paper will provide an overview of the CCDev - 2 Program and also it will discuss in a high level the Active Thermal Control System (ATCS) / Environmental Control and Life Support (ECLS) System tasks that were performed under CCDev – 2 from the start of CCDev – 2 to March 2012. It will also discuss the extension of the CCDev - 2 Program being proposed for the near future.

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