

<p><b>SpaceOps 2010 Abstract Form</b>  <i>Do not extend beyond this one page.</i>  <i>Do not change font size (11).</i>  <i>Text-based symbols are OK, but embed fonts</i>  <i>Graphics are not OK.</i>  <i>Read the Author's Kit for more details.</i></p>	<p><b>Tell us your presentation preferences:</b>  Add only Y for Yes in the brackets [ ], N's are not needed. We encourage flexibility - both oral and poster forums have their strengths. See website.</p> <ul style="list-style-type: none"> <li>- I can present in either oral or poster sessions [ ]</li> <li>- I will only present in an Oral Session [Y]</li> <li>- I will only present in a Poster Session [ ]</li> <li>- I would like an ePoster Session because my topic suits that forum [ ]</li> <li>- If selected as a poster presenter, I will consider a request to switch to an oral presentation to cover for a withdrawn oral presenter [ ]</li> </ul>
<p><b>Keywords: (add keywords that describe your topic)</b>  Launch Control System, Command, Control &amp; Communications Element, Ground Operations, Launch Processing</p>	
<p><b>Your Abstract Title: (Should be the same as your online submission and your future manuscript title – 12 word limit)</b>  Development of Constellation's Launch Control System</p>	
<p><b>Your Author list: (each author's name and affiliation)</b>  Kirk D. Lougheed, CCCE Project Manager, NASA KSC LX-D1 and Cary J. Peaden, LCS Delivery Manager, NASA KSC NE-C3</p>	
<p><b>Your Abstract text:</b></p> <p>The paper focuses on the National Aeronautics and Space Administration (NASA) Constellation Program's Launch Control System (LCS) development effort at Kennedy Space Center (KSC). It provides a brief history of some preceding efforts to provide launch control and ground processing systems for other NASA programs, and some lessons learned from those experiences. It then provides high level descriptions of the LCS mission, objectives, organization, architecture, and progress. It discusses some of our development tenets, including our use of standards based design and use of off-the-shelf products whenever possible, incremental development cycles, and highly reliable, available, and supportable enterprise class system servers. It concludes with some new lessons learned and our plans for the future.</p>	