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Subject: Lessons Learned Resurrecting Obsolete Computers  
Posted by [vetus@vetusware.com](mailto:vetus@vetusware.com) on Sat, 14 Dec 2019 18:27:15 GMT  
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## Ground System Planning for Long Duration Space Missions Helped by Lessons Learned Resurrecting Obsolete Computers

Multi-decade space missions face a new challenge-- planning to keep the ground system operational for decades. While early planning for such items as the availability of spare components, accurately documenting the "as-built" configuration of the system, and transition planning for key individuals with unique knowledge are vital to longevity planning, eventually some aspect of the system will no longer be functional. Resurrecting a decade old system in hardware, or as a software simulation, may well become the only methods of assuring ground system functionality. With few resources available on lessons learned in the resurrection of decade-old technology specifically to support ongoing mission operations, alternative sources for lessons were discovered in an unlikely arena -- the online world of "Retro-Computing".

### File Attachments

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1) [A0053Paper.pdf](#), downloaded 991 times

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