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Moreover, Extensible and Dynamic Topic Types (XTypes) specification allows incremental evolution of any subset of system components without disrupting the overall health monitoring system. We believe, the DDS standard and in particular RTI Connex DDS, is a viable technology for implementing OSA-CBM for avionics systems due to its real-time characteristics and extremely low resource requirements.

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Wu H., Qiu K., Huang W., Kang F. (2014) Extensible Software Architecture for Simulating Cockpit Display and Control System. In: Jia L., Liu Z., Qin Y., Zhao M., Diao L. (eds) Proceedings of the 2013 International Conference on Electrical and Information Technologies for Rail Transportation (EITRT2013)-Volume I. Lecture Notes in Electrical Engineering, vol 287.

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