

Dean Schwab, Principal Manager, Flight Operations Technical Rockwell Collins Head-Up Guidance Systems



Dean Schwab is the Principal Manager of Flight Operations Technical at Rockwell Collins Head-Up Guidance Systems. Schwab has worked for Rockwell Collins for 17 years and is responsible for supporting the airline, regional and business flight operations departments, OEMs, All Weather Operations advisory support, participating in industry working groups as a Head-Up Display expert. In addition he provides flight operational review and oversight supporting engineering for all Rockwell Collins HGS/HUD systems programs for Rockwell Collins. In

addition, Dean supports and advises regulatory agencies worldwide in developing HUD operating procedures, minima, training and proof-of-concept for new HUD capabilities. Dean also has the responsibility of leading the regulatory support and liaison with the international regulatory agencies for Head-Up Guidance.

Dean is retired from Alaska Airlines where he spent 16 years in various flight operations leadership positions. He led the Flight Operations Training Department and created and led the Flight Technical Department. He directed the HGS Programs at Alaska Airlines and in 1990 originated the RNP (Required Navigation Performance) pursuit and development at Alaska Airlines. As Director of Flight Operations Training he led the development of Advanced Qualification Programs for the B737 and MD-80 airplanes for Alaska Airlines.

He is currently working synthetic vision, enhanced vision, dual HUD applications, Head Worn Display development, multiple proof-of-concept programs and RNP HGS integration for Rockwell Collins. Schwab has been an active leader in HUD technology, operations and regulatory implementation for 30 years.

Dean graduated from Metropolitan State University with a Bachelor of Science degree in Aerospace Science Technology and minor in meteorology.