HEXAVALENT CHROMIUM REDUCTION STRATEGIES OF
NAVAIR JACKSONVILLE

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The replacement of hexavalent chromium from DoD manufacturing practices has been an active technology development priority for NAVAIR since the 1990s. Military specifications for aircraft pretreatments and primers have been modified to add classifications for non-hexavalent chromium containing formulations. Process development and field testing will be discussed regarding program implementation of a non-hexavalent chromium containing epoxy primer at Naval Air Stations Kingsville, TX and Meridian, MS supporting the T-45 Training System. In addition, an update of current evaluations of non-hexavalent chromium containing alternatives for polysulfide sealant, powder coating, pretreatment and hard chrome plating will be discussed.