

The NIEC (NextGen Integration and Evaluation Capability) has now successfully integrated a Traffic Flow Management System (TFMS) Application Platform (TAP). The TFM System is the latest system to be added to the NIEC. The TFM System will allow NIEC activities to be expanded to facilitate simulations which require either Command Center functionality, or the additional TMU capabilities that the TFMS supports. Included as a part of the TAP installation are the strategic Traffic Situation Display (TSD) and the associated Traffic Management Initiative (TMI) capabilities. With this additional complement to its capabilities, the NIEC now can support HITL [Human-in-the-Loop] simulations utilizing flight dynamics as generated by the TGF for aircraft -- both on-the-ground [i.e. taxi-ing], as well as in the air. The Common Operational Picture is projected to the Tower, En-Route, and Terminal environments. And this same Operational Scenario is also sent to the TMU applications [TBFM and TFM systems], as well as to the Airline Operations Center [AOC] and TFMS Command Center applications -- all resident in the NIEC. This design now allows for true NAS-wide end-to-end simulations.

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