

BEBS 1C PBN Approaches to TEB RWY 6/1

Candidate Scenario Description: Incorporate RNAV/ RNP w/ RF legs into Charted Visual Flight Procedure (CVFP) to TEB RWY 6 and RWY 1.

Theme: Keeps airport visual arrival rates for extended period using PBN capabilities and de-conflicts operations between TEB and EWR.

<p>Operational Description</p>	<p>Concise description of Operational Scenario</p>	<p>Tracking existing Charted Visual Flight Procedures (CVFP) to incorporate RNAV/ RNP 0.3 w/ RF legs for TEB RWY 6 and RWY 1.</p> <p>Landing on RWY 6 and RWY 1 are favored operations at TEB. This operation allows increased landing opportunity during lower weather and/or specific wind conditions.</p> <p>This procedure substantially lessens the requirements for ILS RWY 6, which conflicts with EWR operations to RWY 22L/R and RWY 4L/R.</p> <p>Provide PBN equipped a/c priority handling during lower than visual approach vectoring minimums.</p>
<p>Target Operational Time Frame</p>		<p>2012 to 2015</p>
<p>Technology (equipment) Targeted</p>	<p>Technology or equipment associated with this operational candidate</p>	<p>PBN -- RNAV RNP 0.3 w/RF leg is enabled by:</p> <ol style="list-style-type: none"> 1. GPS with Approach Capability, or 2. RNP capable FMC with multi-scan DME/DME and GPS sensors, and 3. Advanced NAV Display capable of RF legs
<p>Impact on equipped and capable a/c</p>		<ul style="list-style-type: none"> • Provides IAP with vertical guidance and lower minimums.
<p>Impact to non-equipped or not capable a/c</p>		<ul style="list-style-type: none"> • Non-equipped must use higher approach minimums with no vertical guidance • May experience greater delays due to requesting the ILS Rwy 6

Impact on NAS efficiency or capacity (positive, neutral, negative)

- This reduces dependent operations between the airports
- Supports simultaneous independent operations
- Reduces interaction between TEB and EWR for configuration changes
- Increases efficiency and capacity by enabling TEB to stay in a most efficient configuration for a longer period of time

