# ~ Working File ~ NYNJPHL Airspace Redesign Implementation Schedule - FY09 Q2

## PLEASE READ BEFORE READING IMPLEMENTATION SCHEDULE

### Schedule Overview:

The New York/New Jersey/Philadelphia Metropolitan Area Airspace Redesign Implementation Plan (Plan) describes the tasks necessary to implement the Airspace Redesign project. Implementation is scheduled to take place in four (4) stages. The planned end dates for each stage are:

- Stage 1—March 6, 2009
- Stage 2—October 1, 2009
- Stage 3—November 9, 2011
- Stage 4—September 7, 2012

## Schedule Status:

The schedule status is identified by 5 indicators. The indicator used is based on the planned end dates identified above and the estimated time duration of the task/deliverable. Each stage is programmed with the planned end date so anything that is estimated to finish beyond that date will show red.

- Green Light: Complete as of Current Date.
- Blue Light: Pending (not started yet or started and on time)
- Yellow Light: Potential of Delay
- Red Light: Behind the Stage Schedule
- Red Flag: Not Started But Start Date Past the Current Date

For example, in Stage 1 the PHL-Rwy 09/27 Departure Dispersal Headings are complete, but because a 12 month post-implementation data collection is not complete until 7/23/09 and the planned overall Stage was to be complete on March 6, 2009, the overall deliverable is red.

## **Reformatting Changes**

Beginning in January 2009, the plan has been reformatted and reduced from approximately 14,000 line items to approximately 9,600. This was accomplished by removing non-applicable tasks reducing the task depth, which results in more clearly identified airspace deliverables. Additionally, the reformatting includes identifying the route changes into and out of Philadelphia as '*Stage 2B – PHL Arrival/Departure Route Changes'*. Stage 4 was also grouped into 5 identifiable deliverable categories. This document is different from the first quarter document in that all tasks have a category and each category is more clearly identifiable.

The term Continuous Descent Approach (CDA) has been changed to Optimal Profile Descent (OPD)

<u>Stage 1 Accomplishments and Status</u>: The Stage 1 planned end date was 3/6/09. Tasks that are red indicate that it is in process but will be completed beyond 3/6/09.

### **Dispersal Headings:**

- EWR: Runway 22 Dispersal Headings 215 and 239 for demand to have been implemented. When no demand, 190 heading is issued.
- PHL (props and jets) Dispersal Headings:

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- Runway 09L/R Dispersal Headings for jets between 0800-1100 and 1400-2000, 081 and 096 headings are used. Outside of the designated hours, 085 heading is used.
- Runway 27L Dispersal Headings for jets between 0800-1100 and 1400-2000, 245 and 268 headings are used. For props daily precoordinated heading 220 – 230. Outside of the designated hours, 255 heading is used.
- LGA:
  - o Runway 31 Dispersal Headings 340 and 359 currently being used.
  - o Runway 04 Dispersal Headings will not be implemented until Stage 4 when the arrival routes shift.

### Stage 1 Procedure Development:

- JFK:
  - Rwy 21R Right Turn Departure Conventional (Cancelled Safety Risk Management HI)
  - Rwy 13 L/R CRI Approach In a feasibility study (In progress and red)
  - PARCH STAR In development for a chart date of 12/17/09 (In progress and red)
- PHL--Runway 9L/R River Visual Approach Procedure RNAV/RNP Overlay Procedure in feasibility study. (In progress and red)
- LGA—Runway 22 RNAV LOC LDA Approach in development (In progress and red)
- TEB
  - Runway 24 RUUDY 2 RNAV for Departures--Revised chart date 10/22/09. (In progress and red)
  - Runway 24 LPV RNAV Overlay Approach Procedure (On hold to determine priority-Red)
  - o Runway 24 RNAV Overlay Approach Procedure (On hold to determine priority-Red)
  - Runway 19 LPV RNAV Overlay Approach Procedure (On hold to determine priority-Red)
  - o Runway 19 RNAV Overlay Approach Procedure (On hold to determine priority-Red)

**<u>Stage 2 Accomplishments and Status</u>**: The Stage 2 planned end date is 10/1/09. For tasks that have started and will finish beyond 10/1/09 are indicated as red. For tasks that have not started but because of the current date and the task duration that status is indicated by a red flag. Blue indicates that the task has not started or has started and is on time.

- Stage 2A Westgate Expansion: We are finishing up the design process with 5 options, and they will be tested during April and May 2009
- Stage 2B PHL Arrival Departure Route Changes:
  - This deliverable consists of establishing a new arrival route into PHL and establishing a third westbound departure fix for PHL.
  - We are in the procedure development stage for 2 Standard Terminal Arrival Routes (STARs) and 4 Standard Instrument Departures (SIDs). The STARS are scheduled for charting on 10/22/09 and the SIDs are scheduled for charting on 12/17/09.

Stage 3 and 4 Status: A planning working group meeting is scheduled for 4/20/09

## Line Items Overview (Left Pane):

The Plan only shows the main tasks required to implement the Airspace Redesign. Many subtasks are hidden because they are composed of steps that recur each time the subtask is done. As an example, the development of an RNAV procedure is an 18 step process that is used each time an RNAV procedure is developed. Other subtasks that are comprised of a generic list of steps include: Procedure Development, Safety Risk Management, Spectrum Analysis, Business Case Analysis, Human-in-the-Loop Experiments, Airspace Implementation, and F&E Schedules. The schedule status indicator shows the status of each task that helps the project manager to take appropriate actions.

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#### Schedule Bar Chart (Right Pane) and Legend:

Most of the bars appear as black because they are comprised of many subtasks. Each of the main tasks has a milestone subtask that indicates the completion point. The milestone tasks are shown as blue diamonds. Each main task also has a critical path that is comprised of subtasks that impact the total duration of the main task. Many milestones and critical tasks do not appear on the Plan because they are included in the subtasks under the main tasks. The planned end-date of each stage is shown as a green arrow.

#### Caveat:

The schedule is dependent on the resources available, design refinements, and the completion dates of earlier tasks; therefore, the schedule is subject to change. The Implementation schedule will be updated periodically and posted on the project website. Look for the next update in the Third Quarter of FY 2009 (June 2009)

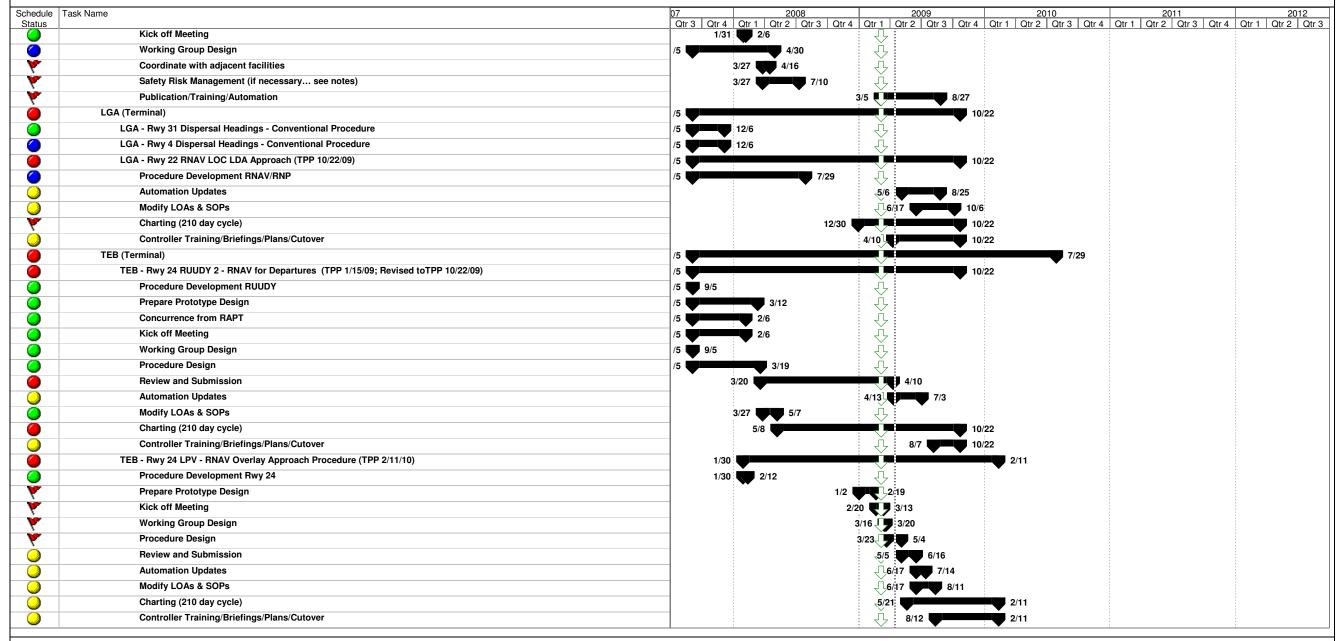
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NYNJPHL Airspace Redesign Implementation Schedule - FY09 Q2 (Time-Line in Calendar Years)

 
D7
2008
2009
2010
2011
2012

Qtr 3
Qtr 4
Qtr 1
Qtr 2
Qtr 3
Qtr 4
Qtr 1
Qtr 2
Qtr 3
Qtr 4
Qtr 4</t Schedule | Task Name Status /5 NYNJPHL AIRSPACE REDESIGN IMPLEMENTATION PLAN (9/7/12) Stage 1 -- Procedural Changes (Originally Planned Start and Stop) 9/5 3/3 Stage 2 -- Integration of ZNY and N90 (Originally Planned Start and Stop)  $\bigcirc$ Stage 3 -- Boundary Changes (Originally Planned Start and Stop) **\_\_\_11/9** 5/11 Stage 4 -- Transfer of Sectors (Originally Planned Start and Stop) 3/10 Monitoring And Controlling 4/13 **STAGE 1 IMPLEMENTATION - PROCEDURAL CHANGES** 7/29 Administrative Coordination ZNY (Enroute) 5/158/27 ZNY - J80 Q-Route 42 (TPP 8/27/09) 5/15 8/27 JFK (Terminal) 12/17 JFK - Rwy 31R Right Turn Departure - Conventional (CANX-SRM Unmitigated HI) 7/10 10/8 JFK CRI (13) Approach - (RNAV Fix for VOR 13L/R and 13R/L Visual at JFK) (TPP 4/8/10 Revised to TPP 8/27/09) 8/27  $\bigcirc$ Work around... Waypoint off Sandy Hook (DVETO) 5/14 Coordinate with adjacent facilities 5/15 8/27 **RNAV Process** 8/27 JFK - PARCH STAR (TPP 12/17/09) 12/17 Procedure Development Arrivals PARCH 4/17 0 Spectrum Feasibility PARCH 4/9 8/13  $\bigcirc$ Automation Updates PARCH 4/9 5/7  $\bigcirc$ Modify LOAs & SOPs PARCH 7/30  $\bigcirc$ Charting (210 day cycle) PARCH 12/17  $\bigcirc$ Controller Training/Briefings/Plans PARCH/Cutover 7/30 12/17 EWR (Terminal)  $\bigcirc$ 10/4 12/17 EWR - Rwy 22 Departure Dispersal Headings 10/4 12/17  $\bigcirc$ Implementation Tasks 10/4 Post Implementation Operational Assessment (EWR Disp Head) 12/17 PHL (Terminal) 8/27 PHL - Rwy 09 Departure Dispersal Headings 10/3 7/23 Implementation Tasks 10/3 7/31 Post Implementation Operational Assessment of Conventional Procedure 1/16 7/23 PHL - Rwy 27 Departure Dispersal Headings 10/3 7/22 Implementation Tasks 10/3 7/31 Post Implementation Operational Assessment of Conventional Procedure 6/19 7/22 PHL - 9L/R River Visual Approach Procedure - RNAV/RNP Overlay Procedure (TPP 8/27/09) 8/27 **Procedure Development** 1/30 🚺 1/31 Prepare Prototype Design 1/31 3/12 Concurrence from RAPT 1/31 🚺 2/6

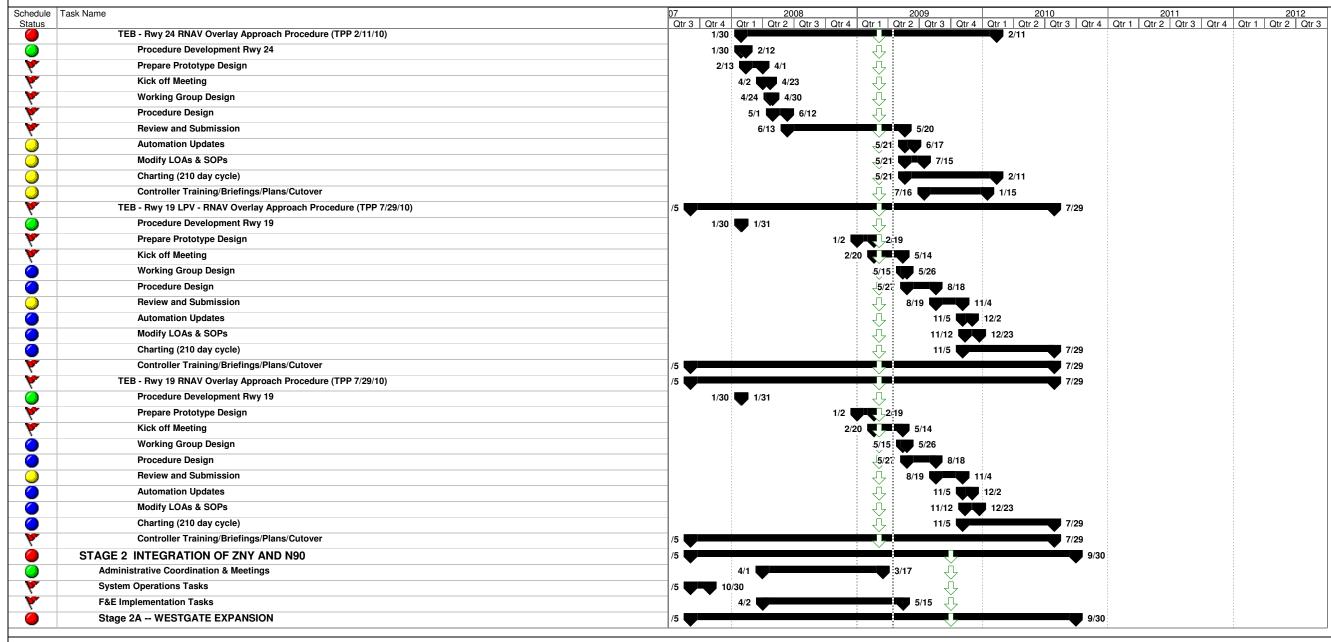
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Project: NYNJPHL AIRSPACE REDESIGN IMPLEMENTATION PLAN (9/7/12) Project Start Date: Wed 9/5/07 Page 2 of 10

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NYNJPHL Airspace Redesign Implementation Schedule - FY09 Q2 (Time-Line in Calendar Years)



Project: NYNJPHL AIRSPACE REDESIGN IMPLEMENTATION PLAN (9/7/12) Project Start Date: Wed 9/5/07

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NYNJPHL Airspace Redesign Implementation Schedule - FY09 Q2 (Time-Line in Calendar Years)

Schedule Task Name 
 07
 2008
 2009
 2010
 2011
 2012

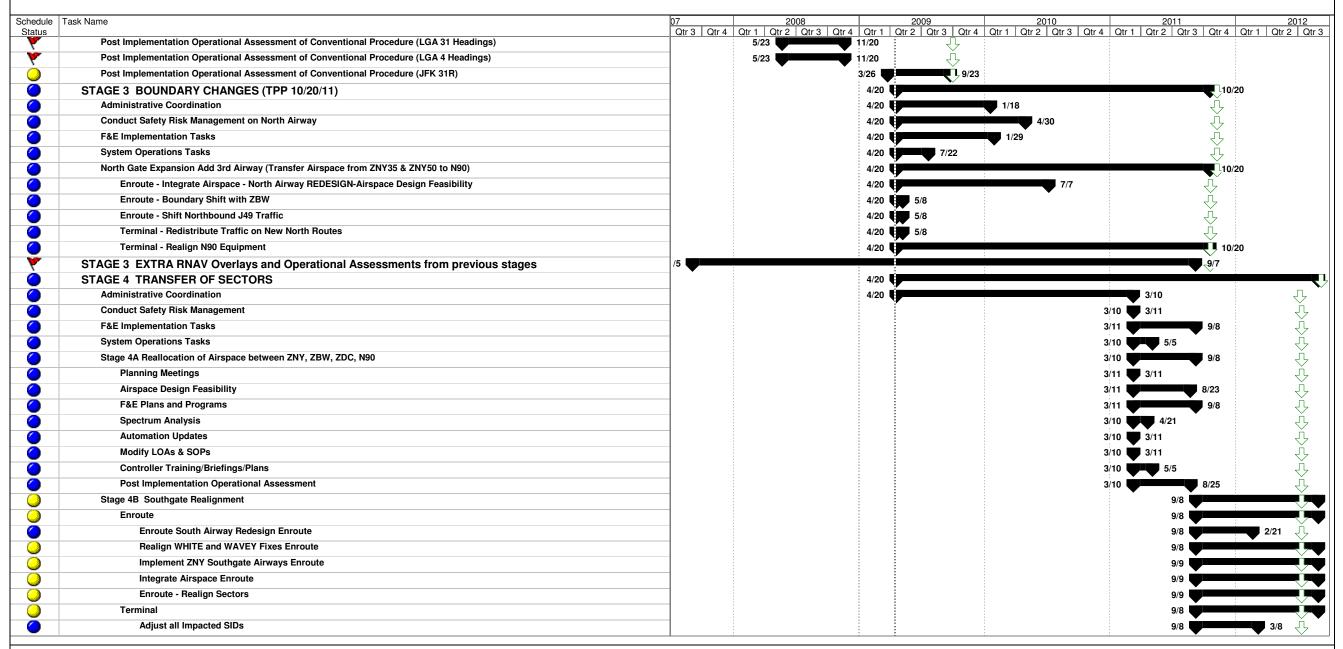
 Qtr 3
 Qtr 4
 Qtr 1
 Qtr 2
 Qtr 3
 Qtr 4
 Qtr 1
 Qtr 2
 Qtr 3
 Qtr 4
 Qtr 4 Status WESTGATE Expansion DESIGN & MODELING 📕 6/12 🗸 🖵 4/1 **ZNY - Westgate Expansion Design & Modeling** 4/1 N90 - Westgate Expansion Design & Modeling 6 12/11 ZNY & N90 Combined - Westgate Expansion Design & Modeling  $\bigcirc$ 6/12 🗸 4/2 WESTGATE Expansion Procedure DEVELOPMENT (Revised TPP 9/23/10) 9/29 **Kick off Development Meeting** 6.22 👿 6/26 JFK LENDY RNAV STAR Development 9/23/10 5/15 JFK RBV DP Development 9/23/10 5/15 Waypoints (Newel) /5 🔲 9/5 WESTGATE Expansion IMPLEMENTATION /5 9/30 Post HITL Options To Be Determined (ZNY & N90) 6/35 🔲 6/19 🗸 Conduct Safety Risk Management on ZNY & N90 Integration 1/29Enroute (ZNY) Implementation Tasks  $\bigcirc$ 9/30 0 **Terminal Implementation Tasks** 9/30 6/19 Stage 2B -- PHL ARRIVAL/DEPARTURE ROUTE CHANGES 9/23  $\bigcirc$ PHL Airspace Deliverables 4/15 9/23 Administrative Coordination 2/18 F&E Implementation Tasks 4/15 5/15 PHL Arrival / Departure Procedure DESIGN & MODELING 4/15 9/9 Kick off Development Meeting 4/15 5/27 Re-Design Routings & Modeling -- Combined (PHL, ZNY-25, ZNY-26, ZDC) 8/26 Post HITL Options To Be Determined (ZNY & PHL) 8/27 9/9 Conduct Safety Risk Management on ZNY/ZDC & PHL Integration  $\bigcirc$ 9/10 2/3 V PHL Procedure Development 12/17 PHL RNAV Standard Terminal Arrival Routes (STARs) (TPP 10/22/09) 11/11 GUNNI RNAV STAR - Rwy 09 (TPP 10/22/09) 11/17 11/11 JIMGE RNAV STAR - Rwy 27 (TPP 10/22/09) 10/22 PHL RNAV Departure Procedures (DPs) (TPP 12/17/09) 5/15 12/17 RNAV 1 DP Rwy ? (Name TBD) 5/15 12/17 RNAV 2 DP Rwy ? (Name TBD) 5/15 12/17 RNAV 3 DP Rwy ? (Name TBD) 5/15 12/17 RNAV 4 DP Rwy ? (Name TBD) 5/15 12/17  $\bigcirc$ PHL Arrival/Departure Route Implementation 9/23 7 System Operations Tasks 7/29 8/26 Enroute (ZNY) Implementation Tasks ZNY25 and ZNY26  $\bigcirc$ 9/23 **Terminal Tasks** 9/23 STAGE 2 EXTRA - RNAV Overlays and Operational Assessments from previous stage 9/29 Implement EWR RWY 22s Dispersal Headings - RNAV Overlay\* (9/29/09) 9/29

Project: NYNJPHL AIRSPACE REDESIGN IMPLEMENTATION PLAN (9/7/12) Project Start Date: Wed 9/5/07

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(Time-Line in Calendar Years)

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Schedule	Task Name	07	2008 Qtr 1 Qtr 2 Qtr 3 Qtr 4		2009	2010	2011		2012
Status	Reroute Traffic to WHITE and WAVEY Depending on City Pairs	Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1 C	Qtr 2 Qtr 3 Qtr 4 Qtr 1	Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 9/8	r 3 Qtr 4 Qtr 1	Qtr 2 Qtr 3
	Re-Align Sectors	_					9/8 9/9		
0	Stage 4C Eastgate Realignment	_							
0		_					9/8		
$\bigcirc$	Enroute	_					9/9		
	East Airway Redesign Enroute	_					9/9		6/7
<u> </u>	Integrate Airspace Enroute						9/9		
$\bigcirc$	Realign Sector Equipment	_					9/9		
<u> </u>	Terminal	_					9/8		
0	Reroute to allow EWR to access BETTE/HAPIE	_					9/9		6/5
$\bigcirc$	Shift LGA East Departures to the East (for LGA Arrivals from the North)						9/8		6/5
$\bigcirc$	Shift HPN East Departures to the East						9/8		
$\bigcirc$	Shift JFK East Departures to the East						9/8		
$\bigcirc$	Adjust all other impacted SIDs						9/8		6/5
$\bigcirc$	Reroute NY traffic to the Eastgate						9/8		
$\bigcirc$	Reroute NY Airport to Destinations in Northern ZBW to E1						9/9		
$\bigcirc$	Reroute NY Airports to Destinations in Eastern ZBW to E2						9/9		
0	Reroute BOS Traffic to E3 (Routed to BAYYS rather than MERIT)						9/8		
0	Reroute PVD and Cape Cod Area to E3A						9/8		
$\bigcirc$	Reroute PHL traffic to the Eastgate						9/8	<b>V</b>	
$\bigcirc$	Reroute PHL Departures for North Atlantic Routes and Eastern ZBW locations via PHL-E1						9/9		
$\bigcirc$	Reroute Remaining PHL Departures on PHL-E2						9/8		
0	Re-Align Sector Equipment						9/9		
0	Stage 4D Southgate & Eastgate Terminal Tasks (Supporting South and East Gates)						9/8		
$\bigcirc$	EWR						9/8		6/5
0	EWR - Reroute Northside Prop Arrivals at EWR						9/8		6/5
0	EWR - Reroute EWR WATRS Arrivals to Join PHLBO2 at FAK						9/8	<u> </u>	6/5
0	EWR - Eliminate BREZY from Departure Procedures at EWR**						9/8	<u> </u>	6/5
0	EWR - Reroute EWR PENNS Arrival Stream						9/8	<u> </u>	6/5
0	EWR - Reroute EWR Arrivals from ZDC and ZBW	-					9/8	<u> </u>	6/5
$\bigcirc$	TEB	-					9/8	<u> </u>	6/5
Ō	TEB - Reroute TEB/MMU West arrival streams to the South	-					9/8	<b>V</b>	<b>6/5</b>
Ō	TEB - Shift TEB/MMU FLOSI arrivals to the East**						9/8	<u> </u>	<b>6/5</b>
Õ	JFK	-					9/8	Ú	6/5
Ō	JFK - Reroute JFK Pacific Rim Arrivals to the East via Canada	-					9/8	Ŭ	6/5
ŏ	ISP						9/8	Ŭ	6/5
ŏ	ISP - Shift Southern Arrivals to the West	-					9/8	Ŭ –	6/5
ŏ	LGA	-					9/8	Ŭ	
ŏ	LGA - Redesigning LGA Arrivals	-					9/8		
-							5.0	•	$\overline{}$

Sabadula	Task Name	07	2008		2000	2010	2011	2012
Status	Task Name	Qtr 3 Qtr 4	2008 Qtr 1 Qtr 2 Qtr 3 Qtr 4	Qtr 1	2009 Qtr 2 Qtr 3 Qtr 4 Qtr 1	Qtr 2 Qtr 3 Qtr 4	Qtr 1 Qtr 2 Qtr 3	Qtr 4 Qtr 1 Qtr 2 Qtr 3
$\bigcirc$	Reroute LGA Western Arrivals over MIP						9/8	6/5
0	Reroute LGA Southern Arrival Steam (Via BDL and HFO)	]					9/8	
$\bigcirc$	Reroute LGA arrivals from the East						9/8	6/5
$\bigcirc$	Reroute LGA Arrivals from Eastern Canada via VALRE	1					9/8	6/5
0	Reroute LGA Arrivals over DNY and ALB	1					9/8	
$\bigcirc$	PHL	1					9/8	6/5
0	PHL - Realign SPUDS Arrivals from the North	1					9/8	6/5
0	Stage 4E Terminal Operation Tasks	1					9/8	
$\bigcirc$	EWR - Redesigning EWR Arrivals/Departures	1					9/8	
$\bigcirc$	Terminal Changes for 22	1					9/8	6/5
$\bigcirc$	Reroute EWR Downwind West for 22s	1					9/8	6/5
$\bigcirc$	Extend EWR RNWY 22 Final	1					9/8	5/28
$\bigcirc$	Create EWR Dual Approach Path for RWY 22 Arrivals	1					9/8	6/5
$\bigcirc$	Create Dual IFR Arrival Procedures to EWR RWY 22L/R						9/8	6/5
$\bigcirc$	Create Room for Additional Vectoring North of EWR	1					9/8	6/5
$\bigcirc$	Terminal Changes for 04	1					9/8	
0	Reroute EWR Downwind West for 04	1					9/8	
$\bigcirc$	Create EWR Dual Approach Path for RWY 04R Arrivals	1					9/8	
$\bigcirc$	Create Dual IFR Arrival Procedure to EWR RWY 04R/L						9/8	
0	Create Room for Additional Vectoring South of EWR	1					9/8	
$\bigcirc$	Cancel FQM STAR						9/8	6/5
$\bigcirc$	Relocate SHAFF 6 STAR West for EWR	1					9/8	6/5
$\bigcirc$	Implement 3rd Dispersal Heading at EWR - RNAV Procedure	1					9/8	6/5
$\bigcirc$	EWR Night Time Ocean Routing Departures (RWY 22)	1					9/8	6/5
0	Adjust EWR Arrival Procedures	1					9/8	6/5
$\bigcirc$	Create Optimal Profile Decent Approach Procedures (Optimal Profile Descent-OPD)	1					9/8	6/5
0	TEB/MMU - Redesigning TEB/MMU Arrivals/Departures	1					9/8	6/5
$\bigcirc$	Align TEB and MMU Departure Gates feeding EWR Departures	1					9/8	6/5
$\bigcirc$	Procedure to deconflict with EWR 11/29 (on all TEB runways)	1					9/8	6/5
$\bigcirc$	Create Procedure for TEB West Departure Fly to a Single Gate before Heading West or Southwest	1					9/8	6/5
$\bigcirc$	Reroute TEB Southern Arrivals to the West (to BWZ)	1					9/8	6/5
$\bigcirc$	Reroute MMU Arrivals to Merge West of the Airport	1					9/8	6/5
$\bigcirc$	RNAV Procedures for MMU Approach to Deconflict MMU RWY 23 Arrivals from TEB	1					9/8	6/5
$\bigcirc$	JFK - Redesigning JFK Arrivals/Departures						9/8	6/5
$\bigcirc$	Raise JFK LENDY Arrivals	1					9/8	6/5
0	Create Jet Route Overlay of PWL2 STAR for JFK Arrivals	1					9/8	6/5
0	Remove IGN8 STAR for JFK Arrivals	1					9/8	6/5
Ō	Merge J70.LENDY5 for JFK Arrivals	1					9/8	6/5
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Schedule Task Name Status	07 Otr 3 Otr 4	2008 4 Qtr 1 Qtr 2 Qtr 3 Qtr 4	2009 Otr 1 Otr 2 Otr 3 Otr 4	2010	2011 4 Otr 1 Otr 2 Otr 3 Otr	2012 4 Otr 1 Otr 2 Otr 3
Reroute JFK South America and Caribbean Arrivals via CAMRN		<u> </u>			9/8	6/5
Ocean Departures					9/8	6/5
New distant procedures for aircraft heading to the Ocean departure gate					9/8	6/5
ISP - Redesigning ISP Arrivals/Departures					9/8	6/5
Reroute ISP Southern Departure Streams (create one stream)					9/8	6/5
New Departure Procedures for ISP					9/8	6/5
LGA - Redesigning LGA Arrivals/Departures					9/8	6/5
Shift LGA North departures further north for EWR Space					9/8	6/5
Realign approaches from the South					9/8	6/5
Realign approaches from the North					9/8	6/5
LGA Southern Arrival RNAV Overlay to RWY 22					9/8	6/5
LGA Southern Arrival RNAV Overlay to RWY 31					9/8	6/5
Apply Altitude Restriction on LGA to Separate NY and PHL Traffic					9/8	6/5
HPN - Redesigning HPN Arrivals/ Departures					9/8	6/5
O Shift Arrival Streams					9/8	6/5
Remove Northeast Detour from BOUNO STAR for HPN					9/8	6/5
Reroute HPN North and East Arrivals over IGN to the East					9/8	6/5
O Shift Departure Streams					9/8	6/5
C Reroute HPN Eastern Departures (shift South)					9/8	6/5
Reroute HPN Southern Departure Streams to the West					9/8	6/5
Reroute HPN Northern and Western Departure Flows to the northeast					9/8	6/5
Establish Departure Procedures for HPN					9/8	6/5
C RNAV Overlay Procedures for HPN RWY 34 to J75 Departures					9/8	3/20
RNAV Overlay Procedures for HPN RWY 34 to ZNY Southgate Departures					9/8	6/5
RNAV Overlay Procedures for HPN RWY 34 to ZNY Northgate Departures					9/8	6/5
RNAV Overlay Procedures for HPN RWY 34 to ZNY Westgate Departures					9/8	6/5
RNAV Overlay Procedures for HPN RWY 34 to ZNY Eastgate Departures					9/8	6/5
PHL - Redesigning PHL Arrivals/Departures	_				9/8	6/5
Create Optimal Profile Decent Procedures (Optimal Profile Descnet-OPD)					9/8	6/5
All fixes to 27 (RNAV)					9/8	6/5
All fixes to 09 (RNAV) Stage 4F General Integration Tasks					9/8	6/5
					9/8	
					9/8	6/5
Change Altitude Restrictions for V3 to Cross SBJ at 6,000					9/8	6/5
Satellite Airports (23 EIS Study Airports)					9/8	6/5
De-conflict New Arrival Procedures at Satellite Airports					9/8	6/5
De-conflict New Departure Procedures at Satellite Airports Reroute SWF Arrival Route from ZDC					9/8	6/5
					9/8	6/5

Schedule	Task Name	07		20			2009		2010		2011		2012
Status		Qtr 3 Qtr	4 Qt	tr 1 Qtr 2	Qtr 3 Qtr 4	Qtr 1	Qtr 2 Qtr 3 Qtr 4	Qtr 1	Qtr 2 Qtr	3 Qtr 4 Q	tr 1   Qtr 2   Q	r 3   Qtr 4   0	Qtr 1 Qtr 2 Qtr 3
	Realign OXC, BDR and HVN Arrivals and Departures										9/8		6/5
$\bigcirc$	Reroute J42 to BOS (and Satellites) to the East	]									9/8		6/5
$\bigcirc$	Reroute BOS (and Satellites) Southwest Departure Routes West of BDR										9/8		6/5
$\bigcirc$	Westgate Finalization (Refer to Stage 2) (6th Fix)										9/8		
$\bigcirc$	Dual J80 Route from Westgate Fix (rather from BRNAN) Dual J80 Route										9/8		6/5
$\bigcirc$	Review and Design a 6th Westgate Departure Fix	1									9/8		6/5
$\bigcirc$	Create Q Routes over Existing Westgate Jet Routes and Join up with Western Q Routes										9/8		6/5
0	Redistribute Western Jet Routes on New Q Routes	1									9/8		
$\bigcirc$	Redistribute J60 and J64 traffic to W1, W2, and W3										9/8		
$\bigcirc$	Reroute NY Departures (ZOB and ORD Satellites) to W2										9/8		6/5
$\bigcirc$	Reroute PHL Departures (Pacific and NW) to W2	1									9/8		6/5
$\bigcirc$	Reroute NY Departures for J60 and DEN to W3										9/8		6/5
$\bigcirc$	Reroute PHL Departures for ORD to W3										9/8		6/5
$\bigcirc$	Move NY Departures for J64 and J80 to W4										9/8		6/5
$\bigcirc$	Move PHL departures for J80, West Coast and DTW to W4										9/8		6/5
$\bigcirc$	Shift DCA/BWI Arrival Routes from ZBW										9/8		7/1
0	Post Implementation Benefits Analysis of Stage 1						$\mathbf{r}$		7/29		1/13		
$\bigcirc$	Post Implementation Benefits Analysis of Stage 2							쇼	9/30		3/17		
0	Post Implementation Benefits Analysis of Stage 3	1									10	/20	4/4
0	Post Implementation Benefits Analysis of Stage 4 and the Overall Project												8/30

Acronyms Related to Airspace Redesign Project

ARD Yardley VOR ARTCC Air Route Traffic Control Center BDR Bridgeport VOR **BWI Baltimore Washington International Airport** CDA Continuous Decent Approach DCA Reagan National Airport **DTW Detroit International Airport EIS Environmental Impact Statement** ERAM Enroute Automation Modernization **EWR Newark International Airport** FEIS Final Environmental Impact Statement **FPO Flight Procedures Office** FQM Williamsburg VOR GPS Global Positioning System HAR Harrisburg VOR HITL Human in the Loop HPN White Plains/Westchester County Airport IAD Dulles International Airport **IFR Instrument Flight Rules** ILS Instrument Landing System ISP Long Island MacArthur Airport JFK JFK Airport LDA Localizer Directional Aid LIB Liberty Sector LOA Letters of Agreement LOC Localizer LPV A type of approach with vertical guidance based on WAAS, published on RNAV (GPS) approach charts MMU Morristown Airport MXE MODENA (Departure Fix for PHL & its Satellites) N90 New York TRACON NAP Needs Assessment Program OOD Woodstown VOR **OPD Optimal Profile Decent** PCT Potomac TRACON PHL Philadelphia Airport PTW Pottstown VOR RAPT Regional Airspace Procedure Team **RBV Robinsville VOR RNAV** Area Navigation **RNP Required Navigational Performance ROD Record of Decision ROMA Route Optimization and Mitigation Analysis RWY Runway** SID Standard Instrument Departure SMS Safety Management System SOP Standard Operating Procedures SRM Safety Risk Management SRMD Safety Risk Management Document STAR Standard Terminal Arrival Route SWAP Severe Weather Avoidance Plan TEB Teterboro NJ Airport **TEC Tower En-route Control** TMA Traffic Management Advisor **TPP Terminal Procedures Publication** TRACON Terminal Radar Approach Control

VCN Cedar Lake VOR VFR Visual Flight Rules VHF Very high Frequency VOR VHF Omni-directional Radio Range Station ZBW Boston ARTCC ZDC Washington ARTCC, Leesburg, VA ZID Indianapolis ARTCC ZNY New York ARTCC ZOB Cleveland ARTCC WAAS Wide Area Augmentation System