

Sixth Meeting of the Cross Polar Trans East Air Traffic Management Providers' Work Group (CPWG/6)

(Hong Kong, 3-5 November 2008)

Agenda Item 4: Cross Polar Work Program

**CROSS POLAR WORK PROGRAM
Action Item #040843**

(Presented by Federal Aviation Administration)

SUMMARY

This paper presents a revised format for the Cross Polar Trans East Air Traffic Management Providers' Work Group (CPWG) Action Item List for future meetings.

1. Introduction

1.1 At the fifth meeting of the Cross Polar Trans-East Air Traffic Management Providers' Working Group (CPWG/5), the group discussed the need to establish a work program that would outline the overall goals and initiatives that the group was working toward.

2. Discussion

2.1 As part of the development of a work program, the FAA proposes a revised CPWG Action Item List for future meetings. This revised Action Item List will incorporate the agreed upon work program categories in a separate column to more readily track actions to the CPWG work program.

3. Recommendation

- a. The Meeting is invited to review the revised CPWG Action Item List; and
- b. Provide comments and suggestions, as appropriate.

Capacity Enhancement Goal	Supporting Goal Initiatives	Action Number	Information/Status	Responsible Organization	Action Pending	Target Date
Reduce Separation Standards	RVSM in Arctic Ocean (Russian Oceanic FIRs)	030602 CP1-02	Russia advises that RVSM implementation over the Arctic was rejected by the Russian Ministry of Justice due to the lack of such separation standards in the national rules. Therefore it has been decided to pursue RVSM implementation in both domestic and oceanic airspace simultaneously. Possible target date in oceanic/domestic is late 2010 (not firm) - to be confirmed in late 2008.	State ATM	State ATM will provide update at next CPWG	CPWG/6
Reduce Separation Standards	Discussions on longitudinal separation, altitude changes	040838 CP5-38		CPWG – make this action part of the work program	Part of CPWG Work Plan	CPWG/6
Reduce Separation Standards	Mixed environment, capabilities & benefits to be gained. Partial mix of fleet. Need to identify obstacles to increase capacity, assess & identify obstacles & how to mitigate them.	040838 CP5-38		IATA	IATA to provide position on mixed fleet benefits and capabilities	CPWG/6
Reduce Separation Standards	Standardize Polar Region Separation Standards	040841 CP5-41	The group will develop a CPWG work program that will be discussed at the next meeting	ALL	A. Work to include RNP-10 in cross-polar and trans-east FIR's	CPWG/6
Reduce Separation Standards	Standardize Polar Region Separation Standards	040841 CP5-41	The group will develop a CPWG work program that will be discussed at the next meeting	ALL	B. Work to include Mach Number Technique in appropriate regional supplementary procedures (Doc 7030)	CPWG/6
Reduce Separation Standards	Standardize Polar Region Separation Standards	040841 CP5-41	The group will develop a CPWG work program that will be discussed at the next meeting	ALL	C. Work to include RNP-4 in Cross Polar Work Program.	CPWG/6
Improve Efficiencies	RVSM transition over high seas	040836 CP5-36	To be incorporated into CPWG Work Plan	ANSPs	IATA requesting CPWG ANSPs develop RVSM transition procedures based on ATM requirements	CPWG/6
Improve Efficiencies	Westbound use of FL360	030603 CP1-03	State ATM Corporation will consider IATA proposal and advise at the next CPWG	State ATM	IATA proposed to use FL360 WB and ban the use of 11100m EB.	CPWG/6

Capacity Enhancement Goal	Supporting Goal Initiatives	Action Number	Information/Status	Responsible Organization	Action Pending	Target Date
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization	030609 CP1-09	A. Current MOU between Khabarovsk and Sapporo ACC expired fall 2007. Will become permanent route in LOA.	State ATM/JCAB	State ATM and JCAB to extend current MOU	CPWG/6
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization	030609 CP1-09	B. Current MOU between Petropavlovsk-Kamchatsky ACC and ZAN expired fall 2007. Will become permanent route in LOA	State ATM/FAA (ZAN)	State ATM and ZAN to extend MOU	CPWG/6
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization	030609 CP1-09	C. Revise MOUs to permit 15 minute separation.	State ATM/JCAB/FAA (ZAN)	All parties agreeable to this change and will be incorporated concurrently with extending MOUs. JCAB to consider State ATM realignment proposal.	CPWG/6
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization (Cont.)	030609 CP1-09	D. Goal is to realign route so as to exit Russian Airspace at BAMOK instead of KOKES. FAA will concurrently pursue extending route across Anchorage FIR from BAMOK to CZF. JCAB requires TBE VOR to be operational for route usage. JCAB to begin work to expand TBE operational hours and will report progress at next CPWG. All parties will update at next CPWG.	State ATM/FAA (ZAN)	Realign route segments east of PEKUT	CPWG/6
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization (Cont.)	030609 CP1-09	E. Consider bidirectional use.	FAA (ZAN)	Permit bidirectional traffic	CPWG/6

Capacity Enhancement Goal	Supporting Goal Initiatives	Action Number	Information/Status	Responsible Organization	Action Pending	Target Date
Improve Efficiencies	Agreement to make B932 regular, permanent route with limited hours of operation, reduce longitudinal separation to 15 minutes, and permit bidirectional utilization (Cont.)	030609 CP1-09	F. State ATM opened RUSOR and is working with ZAN to make it available in ZAN airspace. There will be one more Polar fix between P2 and P3 in late 2008. Realignment of B932 could be completed by August 2008. Will provide status at next CPWG.	State ATM Corporation	State ATM in process of opening new entry points and will report at CPWG/6 on status and realignment of B932 to BAMOK	CPWG/6
Improve Efficiencies	Manage GRL compliance	030618 CP1-18	E. Testing is still underway. No date for implementation available	E. FAA	E. DOTS+ Online web-based Track Advisory program	CPWG/6
Improve Efficiencies	Ocean 21/Arctic FIR	090626 CP2-26	FAA to make determination on extent of Ocean21 implementation by end of '07. FAA will update at next CPWG.	FAA	FAA exploring implementation options for the Anchorage Arctic FIR.	CPWG/6
Improve Efficiencies	Implement use of Radar procedures between Magadan ACC and Anchorage ARTCC	090731 CP4-31	FAA and FANA to provide status at next meeting.	FAA and FANA	TBD	CPWG/6
Improve Efficiencies	Conduct Trial of Northern Canada to RTE Entry Points Flex Track	090732 CP4-32	A. ZAN will continue generating tracks and would like feedback from airlines – will send out the tracks as test messages	A. Anchorage ARTCC TMU	A. Provide DOTS+ generated tracks from 100W to RAMEL and ORVIT	CPWG/6
Improve Efficiencies	Conduct Trial of Northern Canada to RTE Entry Points Flex Track	090732 CP4-32	B. Table the proposal until Russia can support	B. Anchorage ARTCC	B. Create a Cross Polar Organized Flex Track System – Set development and implementation timeline goals.	TBD
Improve Efficiencies	Cross Polar Trial	090734 CP4-34	Cross Polar Trial was successfully concluded and new procedures for DEVID, RAMEL, NIKIN and ORVIT were agreed. The trial procedures will be implemented for LISKI, and will be implemented permanently based on consensus when the trial concludes.	ATCSCC NOC Anchorage ARTCC Edmonton ACC	FAA to report on outcome of LISKI trial	CPWG/6
Improve Efficiencies	Shorten and simplify Form "R" and filing process.	090735 CP4-35	Collected airline input – will review and report to the next meeting.	FANA/State ATM Corp.		CPWG/6

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Improve Efficiencies	China has approved the use of multiple entry points on routes but not all airlines are aware of this. FANA asked IATA to provide info to airlines.	040837 CP5-37		IATA		ASAP
Improve Efficiencies	Establishing new Routes	040840 CP5-40		FAA	Emirates Airlines asked FAA to provide information on any restrictions using "Q" routes and "HAR" waypoints along the west coast?	ASAP
Improve Efficiencies	Airline Route Proposals	040842 CP5-42	Provide status on efforts	IATA will act as a focal point for Airline Route proposals, prioritize them, and present to the States	To submit consolidated, prioritized Airline proposals to ANSPs for discussions and consideration.	CPWG/6
Improve Efficiencies	Route Development and Coordination with China	040844 CP5-44		IATA	A. IATA to work with China in the development of new entry points	CPWG/6
Improve Communications	HF Blackouts	030614 CP1-14	-Northern TDA will include HF actuals and forecasts. NOC will work with Iceland, FAA, Russia to include actual data north of 60N for entire region. -NavCanada to solicit data from other Polar HF providers and formulate into database. Results to be provided at next CPWG. -NavCanada to coordinate with FAA (ARINC), Iceland, Russia, and Bill Murtagh to include information on new website.	NavCanada/ State ATM/ Iceland	Sharing of blackout data and development of procedures	CPWG/6
Improve Communications	Automated Flight Data exchange between facilities	030615 CP1-15	B.	State ATM	B. State ATM to review ICDs and investigate options for possible implementation.	CPWG/6
Improve Communications	Automated Flight Data exchange between facilities	030615 CP1-15	C. NavCanada advises Edmonton probably will not be ready until 1st quarter 2009. Both FAA and NavCanada will update if available at next CPWG.	NavCanada/ FAA	C. Implement AIDC between Edmonton ACC and Anchorage ARTCC	CPWG/6

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Capacity Enhancement Goal	Supporting Goal Initiatives	Action Number	Information/Status	Responsible Organization	Action Pending	Target Date
Improve Communications	HF air-ground Data Link	040729 CP3-29	FAA will contact Operators (Continental, Northwest) to design and conduct test. FAA/ZAN to provide update and results at CPWG/6	FAA and Operators	Continued exploration of HFDL as possible solution for Polar Operations.	CPWG/6
Improve Communications	HF Plot	040843 CP5-43	E-mail feedback directly to joseph.kunches@noaa.gov or mike.stills@united.com	ALL	Joe Kunches (NOAA) requesting user feedback on graphic displays in Space weather presentation	CPWG/6
Develop Contingency Plan	Contingency Response	090627 CP2-27	FAA (ZAN) presented an initial listing to the group for review in WP06. Requesting ANSPs to complete and return matrix to Mark McClure, ZAN. Update at next meeting.	FAA, State ATM Corporation, NavCanada, Isavia	A. Develop listing of possible generic contingencies. Listing should consider both airborne and pre-departure aircraft status.	CPWG/6
Develop Contingency Plan	Contingency Response	090627 CP2-27	B. Awaiting completion of step A.	ALL	B. Develop Contingency response for each listing.	Deferred
Develop Contingency Plan	Contingency Response	090627 CP2-27	C. Tabletop exercise rescheduled for next meeting pending feedback on contingency matrix.	FAA	C. Conduct tabletop exercise(s) as able.	CPWG/6

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Administration	ATFM collaboration between FAA/ATO, State ATM and NavCanada	030608 CP1-08	-Bilateral agreements between US/Canada and US/Russia in development/negotiation. -The LOA between State ATM Corp's Main ATM Center and NavCanada's NOC was signed in Oct. 2006. Both parties are now reviewing the possibilities for its practical implementation. Polar route management procedures will be added to NOC agreement. - The FAA's Command Center and State ATM Corp's Main ATM Center draft Agreement outlining areas of future cooperation including coordination and management of flow of air traffic between the U.S. and Russia will be an Annex to the MOU being coordinated between FAA and FANA. MOU and Annex are awaiting signatures. FAA/FANA to update at next CPWG. - ATCSCC and NOC have agreed to add Polar Route management to existing LOA	ATCSCC/NOC/ATM/FANA	Provide follow-up on LOA completion	CPWG/6
Administration	NavCanada addressed their monthly statistic report that they provide	040839 CP5-39		ALL	Asking ANSPs and Operators to review & see if there is any additional information to add to the report. Comments to be submitted to Dave Rome	ASAP
Administration	Development of Work Plan	040843 CP5-43		NavCanada	A. NavCanada to provide FAA with copy of ATMG Roadmap	ASAP
Administration	Development of Work Plan	040843 CP5-43		FAA	B. FAA to draft Initial work program for ANSPs and customers review	CPWG/6