**CPWG/9 ACTION ITEM LIST**

| **Action Number** | **Capacity Enhancement Goal** | **Supporting Goal Initiatives** | **Information/Status** | **Responsible Organization** | **Action Pending** | **Target Date** | **Status** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| CP01-02 | Reduce Separation Standards | RVSM in Arctic Ocean (Russian Oceanic FIRs) | State ATM provided an update on the planned implementation of RVSM in Russia, the CIS States and Mongolia on 17 Nov 2011 | State ATM | State ATM to provide update to CPWG/10 | Nov 2010 | Open |
| CP01-08C | Administration | ATFM collaboration between FAA/ATO and State ATM | FAA reported that the agreement is still being finalized. | FAA/State ATM | FAA and State ATM have finalized the Agreement and it is awaiting signature. The ATFM Annex will need to be reviewed and updated by FAA and.State ATM. Provide update to CPWG/10. | Nov 2010 | Open |
| CP01-15B | Improve Communications | Automated flight data exchange between ZAN and Magadan ACC | ZAN will prepare an engineering assessment and business case for FAA HQ to consider in determining the FAA position on OLDI | State ATM/FAA | Action to be tracked under CP06-01 |  | CLOSED |
| CP01-15C | Improve Communications | Automated flight data exchange between ZAN and Edmonton ACC | Edmonton ACC expects to be ready in November 2010 | NAV CANADA/ FAA | Action to be tracked under CP06-01 |  | CLOSED |
| CP01-18 | Improve Efficiencies | Manage GRL compliance | FAA provided update on procedures and information on trial to reduce track loading to 10 minutes for fixes FRENK, KUTAL, VALDA and ERNIK. | FAA | Provide update on trial results to CPWG members  Update the Track Advisory Users Guide to reflect the information presented to CPWG/9 | June 2010  Nov 2010 | Open |
| CP02-27 | Develop Contingency Plan | Contingency Response | FAA presented a format for Arctic Region ATM Operational Contingency Plan, which was agreed by all ANSPs | All ANSPs | Each ANSP will submit information for plan to FAA. FAA will compile the document and present an update for CPWG/10  State ATM to provide JCAB with points of contact to coordinate issues , especially within NOPAC | Nov 2010 | Open |
| CP03-29 | Improve Communications | HF Air-Ground Data Link | FAA Oakland ARTCC has encountered automation issues with the HFDL trial, but it is expected to start again. | FAA and Operators | FAA will provide update to CPWG/10 | Nov 2010 | Open |
| CP03-30 | Reduce Separation Standards | Standardize Polar Region Separation Standards | FAA provided an update on the implementation of 50NM lateral separation in the Anchorage Arctic FIR planned for 18 Nov 2010. NAV CANADA reported that there may be a delay due to CAATS implementation | FAA/NAV CANADA/ISAVIA | NAV CANADA to advise the FAA as soon as possible regarding possible delays in implementation. Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP04-31 | Improve Efficiencies | Implement use of radar procedures between Magadan ACC and Anchorage ARTCC | State ATM advised that the target date for Providenia radar had slipped to 2012 | State ATM | State ATM will provide an update to CPWG/10 | Nov 2010 | Open |
| CP04-35 | Improve Efficiencies | Shorten and simplify Form “R” and filing process. | State ATM reported that FATA is working this. Changes will be published in the AIP, but no target date is available | FATA/State ATM | Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP05-38 | 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. | IATA reported that responses to the Fleet Capability survey are being received, and results should be available before the next meeting. | IATA | Outcome of survey to be provided to CPWG/10 | Nov 2010 | Open |
| CP05-42 | Improve Efficiencies | IATA to act as a focal point for Airline Route Proposals | IATA reported that they will continue in this role through their Regional Coordination Groups. |  |  |  | CLOSED |
| CP05-44 | Improve Efficiencies | Route Development and Coordination with China | IATA and State ATM reported on ongoing work regarding the development of new entry/exit points for China. | IATA/State ATM | IATA and State ATM to provide updates to CPWG/10 | Nov 2010 | Open |
| CP06-01 | Improve Communications | Harmonized flight data exchange between facilities | FAA HQ to determine the FAA position on OLDI.  FAA presented the draft Global ICD. | FAA/ANSPs | ANSPs to submit comments on the Global ICD to FAA by 30 Jun 2010.  FAA position on OLDI will be presented to CPWG/10. | 30 Jun 2010 | Open |
| CP06-02 | Improve Efficiencies | Ocean 21/Arctic FIR | FAA presented information on ZAN’s plan to transition control of Anchorage Arctic FIR to Ocean21. | FAA | FAA will provide an update to CPWG/10 | Nov 2010 | Open |
| CP06-11 | Administration | Statistics on Time/Fuel Savings | IATA presented the Distance/Time Calculator that they use to determine fuel savings for time and distance reductions. |  |  |  | CLOSED |
| CP06-12 | Improve Efficiencies | Tactical Reroutes Prior to Entering Russian Airspace | UAL and FAA reported on the outcome of a tactical reroute paper trial conducted on 7 Apr 2010. Russia would like to conduct additional paper trials and establish procedures for testing with live traffic | State ATM/FAA/IATA | Additional paper trials to be conducted. Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP06-13 | Improve Communications | Lost Communication Procedures | The FAA submitted the proposed amendment to the NAM Doc 7030 on lost comm procedures to ICAO Mexico City. They responded with suggested changes which were agreed by the meeting. A question was raised re: the inclusion of ADS-C. | FAA | FAA will follow up with ICAO Mexico City and report to CPWG/10 | Nov 2010 | Open |
| CP07-02 | Improve Efficiencies | Add additional entry/exit fixes on the FIR boundaries | State ATM presented options for additional boundary fixes. | All ANSPs/IATA | State ATM to provide details on fixes to ZAN. ZAN to study information and respond to State ATM. Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP07-03 | Improve Communications | Improve communications north of 80 degrees N | NAV CANADA reported on planned preparations for TRASAS/3 | All ANSPs/IATA/ Airlines | All ANSPs to nominate comm experts to Dave Rose to participate in Comm TF. Airlines encouraged to also nominate experts. | May 2010 | Open |
| CP07-06 | Improve Efficiencies | Opening of new routes south of ABERI | State ATM presented information on R705 and R706 which will be implemented on 1 Jul 2010 | State ATM/IATA/ ANSPs | State ATM to provide details of routes by e-mail as soon as possible  Provide update to CPWG/10 | May 2010 | Open |
| CP08-01 | Develop Contingency Plan | Exercise Contingency Plans | ISAVIA reported on a planned exercise in May 2010 focusing on Polar flights. | ISAVIA | Report on the outcome to CPWG/10 | Nov 2010 | Open |
| CP08-02 | Develop Contingency Plan | Respond to Volcanic Ash Event | FAA and ISAVIA reported on responses to actual volcanic ash event over NAT.  FAA and State ATM reported on development of operational telcons for the exchange of volcanic ash information. | FAA/State ATM/ | FAA and State ATM will provide further update on practice telcons to CPWG/10 | Nov 2010 | Open |
| CP08-03 | Improve Efficiencies | Establish ATS Route Catalog | State ATM presented a draft .ATS route catalog to document proposed ATS routes for the Polar Region. | State ATM/  All ANSPs | Each ANSP to nominate POC to State ATM to assist in developing process to populate and maintain the route catalog.  State ATM to present updated ATS route catalog to CPWG/10.  FAA to make the review of ATS route catalog a standing action item for future meetings. | Nov 2010 | Open |
| CP08-05 | Improve Efficiencies | Modify Restrictions for PILUN and LISKI | FAA reported on changes to restrictions and procedures for PILUN and LISKI |  | This will be combined with CP08-12 |  | CLOSED |
| CP08-06 | Improve Efficiencies | Provide Additional Connections to Current Airways | IATA requested to connect some of the new beneficial airways implemented by the Russian Federation to provide more choices.  State ATM agreed to look into a connection directly from KURAK to ODANA or from KURAK to KONIK that might offer more efficiencies. | State ATM | State ATM to report to CPWG/10 | Nov 2010 | Open |
| CP08-07 | Improve Efficiencies | Implement Online Track Advisory (OLTA) | FAA provided an update on the current status on the transition of maintenance for DOTS+ and OLTA to the FAA. OLTA remains in operational demonstration status. | FAA | FAA to look into differences in use of OLTA by ZOA and ZAN, and provide information on the changes to FTI and connectivity to OLTA after 1 Oct.  Update to be provided to CPWG/10 | Sep 2010 | Open |
| CP08-08 | Improve Efficiencies | Consider opening additional fixes west of BAMOK | FAA and State ATM, in coordination with JCAB, to consider 5 proposals from CPWG/9, and consult with the airlines as to the ongoing need for additional fixes | FAA/State ATM/ IATA | State ATM to add the proposals to the ATS Route Catalog.  Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP08-09 | Improve Efficiencies | Expansion of westbound use of FL360 | Agreement reached to include NIKIN in the FL360 trial | FAA/State ATM/NAV CANADA/IATA | ANSPs to agree on date for NIKIN trial to begin.  All urged to remind pilots, dispatchers, and ATC that FL381/ 11600m is expected after RAMEL (and NIKIN once trial begins).  Provide update to CPWG/10 | Nov 2010 | Open |
| CP08-10 | Improve Efficiencies | Pacific Project | IATA provided a status update on the Pacific Project. | IATA | IATA to prepare a paper recommending conceptual agreement for the Pacific Project for TRASAS/3. Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP08-11 | Administrative | Preparation for TRASAS/3 | FAA advised the meeting that TRASAS/3 has been tentatively rescheduled for 19-20 Oct 2010 in Paris. |  | FAA will coordinate preparation for TRASAS/3 on CPWG-related Action Items with ANSPs and airlines. | Oct 2010 | Open |
| CP08-12 | Improve Efficiencies | Eliminate restrictions where possible | ZAN reviewed all existing restrictions. Airlines requested that there be an ongoing review of restrictions. | FAA/IATA | ZAN to collaborate with IATA, analyze restrictions, and remove those that are not necessary. COA to present outcome of study on R338 and H201.  ZAN to review restrictions over PILUN and LISKI and any resulting from planned RNP10 implementation. Provide updates to future meetings. | Nov 2010 | Ongoing |
| CP08-13 | Improve Efficiencies | Conduct trial of step climb procedure | CZEG and UAE reported on the trial using step climb procedures for eastbound Polar flights.  FAA, State ATM and ISAVIA all expressed willingness to support step climb trials at airlines’ request. | NAV CANADA/ISAVIA/ UAE/State ATM | Trial to continue with NAV CANADA to the end of the year.  Trial to commence with ISAVIA  UAE to modify pilot procedures.  Update to be provided to CPWG/10 | Nov 2010 | Open |
| CP09-01 | Improve Efficiencies | Conduct an airspace study of traffic flows on R338 to determine if benefits are gained by rerouting flights to H201 | COA to do a comparison study between H201 and R338 | IATA/COA | COA to provide update on study to next meeting | Nov 2010 | Open |
| CP09-02 | Improve Efficiencies | Implement new optional routing from ORVIT to Japan | IATA proposed a new optional routing ORVIT..75N170E.. 65N153E.. BANOT.B223.  LUMIN from ORVIT to Japan | State ATM/IATA | State ATM to review the proposal and respond as to feasibility | Nov 2010 | Open |
| CP09-03 | Improve Efficiencies | Add transitions between various polar routes to enable optimization of winds and efficiencies of operations. | Specific transitions proposed were: DEVID B480  * Transition route from DEVID to join G493 and G491 at GIKSI (N71 41.7 E128 54.0)  RAMEL G491  * Transition from RAMEL to TAKUN (G226) * Transition from PETUL to RUTIN (G226) * Transition from UNELI to HA (G226)  NIKIN G226  * Transition from NIKIN to UNELI (G491) * Transition from TAKUN to TIGLA (G491) * Transition from HA to TETKA (G491)  ORVIT G494Transition from ORVIT to TAKUN (G226)Transition from DILSA to RUTIN (G226) | State ATM | State ATM to add the proposals to the ATS Route Catalog.  Review proposed transition and report to CPWG/10 | Nov 2010 | Open |
| CP09-04 | Administrative | Add standing agenda item: Review ATS Route Catalog | The meeting agreed that it would be important to continuously review the catalog to be sure that it reflected the current requirements of users and ANSPs. | FAA | Add new agenda item to CPWG/10 and future meeting agendas | Nov 2010 | Open |
| CP09-05 | Improve Efficiencies | Discrepancies between NAV CANADA and Jeppesen chart waypoints | NAV CANADA reported problems with flight plans being rejected due to use Jeppesen chart waypoints; pilots were advised to use NAV CANADA high charts | NAV CANADA | Provide update to next meeting | Nov 2010 | Open |

**CPWG Planning Chart**

|  | **Planning Goal** | **Action with** | **Status of Action and Target Date** | **Completed** |
| --- | --- | --- | --- | --- |
| **1** | **Reduce and Harmonize Separation Standards in International Airspace** |  |  |  |
|  |  |  |  |  |
|  | **Implement RVSM FL290-410** |  |  |  |
|  | Anchorage Arctic, Anchorage Oceanic, Anchorage Continental, Edmonton, and Reykjavik FIRs | FAA/ NAV CANADA, ISAVIA |  | Completed |
|  | Russian FIRs | State ATM | Nov 2011 |  |
|  |  |  |  |  |
|  | **Harmonize RVSM Transition Procedures** |  |  |  |
|  | Anchorage Arctic FIR | FAA | TBD |  |
|  | Anchorage Oceanic FIR | FAA | TBD |  |
|  | Russian FIRs | State ATM | TBD |  |
|  |  |  |  |  |
|  | **Implement 50NM lateral separation** |  |  |  |
|  | Anchorage Arctic FIR | FAA | **Nov 18, 2010** |  |
|  | Anchorage Oceanic FIR | FAA |  | Completed |
|  | Edmonton FIR | NAV CANADA | **Nov 18, 2010** |  |
|  | Reykjavik FIR | ISAVIA | TBD |  |
|  | Russian FIRs | State ATM |  | Completed |
|  |  |  |  |  |
|  | **Implement reduced longitudinal separation** |  |  |  |
|  | Anchorage Arctic FIR | FAA | TBD |  |
|  | Anchorage Oceanic FIR | FAA |  | Implemented across the NOPAC with Oakland/Fukuoka FIRs |
|  | Edmonton FIR | NAV CANADA | Jan 2011 |  |
|  | Reykjavik FIR | ISAVIA | TBD |  |
|  | Russian FIRs | State ATM | TBD |  |
|  |  |  |  |  |
| **2** | **Improve/Increase Efficiencies for Cross Polar and Russian Far East Air Traffic** |  |  |  |
|  |  |  |  |  |
|  | **Harmonize Procedures for ATS Route B932** |  |  |  |
|  | Anchorage Oceanic FIR | FAA |  | Completed |
|  | Sapporo FIR | JCAB |  | Completed |
|  | Khabarovsk FIR | State ATM |  | Completed |
|  | Petropavlovsk-Kamchatsky FIR | State ATM |  | Completed |
|  |  |  |  |  |
|  | **Improve Efficiency on Cross Polar Routes** |  |  |  |
|  | Make FL360 and FL380 available westbound at RAMEL | FAA/State ATM | Trial in progress |  |
|  | Expand availability of FL360 and FL380 at NIKIN | FAA/State ATM | Trial to begin June 21, 2010 |  |
|  | Make tactical re-routes available for daily operations | FAA/State ATM | TBD |  |
|  | Add entry/exit fixes on the Anchorage/Russian FIR boundary | FAA/State ATM | TBD |  |
|  | Add entry/exit fixes on the Anchorage/Edmonton FIR boundary | FAA/  NAV CANADA | TBD |  |
|  | Add entry/exit fixes on the Reykjavik/ Russian FIR boundary | State ATM/ ISAVIA | To be discussed |  |
|  | Open new Kamchatka routes from PILUN and LISKI | State ATM/FAA |  | Completed |
|  | Open new routes south of ABERI | State ATM/IATA | 1st half of 2010 |  |
|  |  |  |  |  |
|  | **Implement use of Radar Procedures between Magadan ACC and Anchorage ARTCC without Radar Data Sharing** |  |  |  |
|  | Anchorage Arctic FIR | FAA | 2012 |  |
|  | Magadan FIR | FATA | 2012 |  |
|  |  |  |  |  |
|  | **Improve Air Traffic Flow Management (ATFM)** |  |  |  |
|  | Implement DOTS Plus Online Track Advisory | FAA | TBD |  |
|  | Reduce track loading to 10 minutes for Cross Polar fixes | FAA |  | Completed |
|  | Reduce track loading to 10 minutes for RTE fixes | FAA | Trial underway |  |
|  | **Improve ATFM Collaboration** |  |  |  |
|  | FAA/NAV CANADA |  |  | Completed |
|  | FAA/State ATM | FAA/State ATM | In progress |  |
|  | NAV CANADA/State ATM |  |  | Completed |
|  | **Implement Cross Polar Organized Flex Track System/Minimum Time Tracks** |  |  |  |
|  | Anchorage Arctic FIR | FAA | Future Work/TBD |  |
|  | Edmonton FIR | NAV CANADA | Future Work/TBD |  |
|  |  |  |  |  |
| **3.** | **Improve communications in arctic/polar region** |  |  |  |
|  |  |  |  |  |
|  | **Explore HFDL for Air-Ground Polar Operations** | FAA | TBD |  |
|  |  |  |  |  |
|  | **Implement AIDC for Data Exchange** |  |  |  |
|  | Anchorage Arctic, Oceanic and Continental FIRs |  |  | Completed |
|  | Edmonton FIR | NAV CANADA | Nov 2010 |  |
|  | Magadan FIR (OLDI) | State ATM | 3rd Qtr 2010 |  |
|  |  |  |  |  |
|  | **Implement CPDLC for All Polar Routes** |  |  |  |
|  | Anchorage Arctic FIR | FAA |  | Completed |
|  | Edmonton FIR | NAV CANADA | Fall/Winter 2011 |  |
|  | Reykjavik FIR | ISAVIA |  | Completed |
|  | Magadan FIR | State ATM |  | Completed |
|  |  |  |  |  |
|  | **Implement ADS-C for All Polar Routes** |  |  |  |
|  | Anchorage Arctic FIR | FAA | 4th Qtr 2012 |  |
|  | Edmonton FIR | NAV CANADA |  | Completed |
|  | Reykjavik FIR | ISAVIA |  | Completed |
|  | Magadan FIR | State ATM |  | Completed |
|  |  |  |  |  |
|  | **Improve Communications North of 80N** | NAV CANADA | 2016 |  |
|  |  |  |  |  |
| **4.** | **Improve weather reporting in arctic/polar region** |  |  |  |
|  |  |  |  |  |
|  | Continue research on space weather’s impact on Polar Traffic | All | Ongoing |  |
|  | Develop Space Weather User Requirements | All | Second draft under review |  |
|  |  |  |  |  |
| **5.** | **Improve Safety** |  |  |  |
|  |  |  |  |  |
|  | **Develop Arctic Contingency Plan** | All | Late 2011 |  |
|  |  |  |  |  |
|  | **Harmonize Procedures for Loss of Communications** |  |  |  |
|  | PAC Region |  |  | Completed |
|  | NAM Region | FAA/NAV CANADA | In progress |  |
|  | EUR Region | State ATM/ ISAVIA |  | Completed |
|  | NAT Region | FAA/NAV CANADA/ISAVIA | TBD |  |

