

## **Minutes of The Seventh Taskforce 3 Meeting (TF3M/7) for “The Project for Capacity Development in Air Traffic Services” in Tajikistan Dushanbe, 21 November 2017**

1. The Seventh Taskforce-3 Meeting (TF3M/7) for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 11:00-12:40 on 21 November 2017 in the Project Manager’s office.
2. Project Coordinator organized this meeting, Mr. Khumorov Bakhtiyor (TF3 Leader), M. Firuz (TF3 Sub-leader/AIS Department), Mr. Yamane (FPD Expert), Mr. Orita(PC) and Mr. Ulugbek (TA) participated.
3. The main purposes of this meeting was coordinating “PBN introduction seminar” on 8<sup>th</sup> Dec. 2017, and confirmation of the progress of TF3 activities as listed below.
  - 1) Assignments and Coordination of "PBN seminar" on 8 Dec.
  - 2) Confirm the plans of WGS-84 in UTDL/K/Q by TAN.
  - 3) AIS Database issue. (CAIGA, EAD or others)
  - 4) Confirm the progress of ILS approach FPD.
  - 5) Responsibility of a further SAR activities.
  - 6) Other Business (Airport pass problem, VISA run, FP office space, MAVA offered SAR training)
4. PC explained a concept and positioning of “PBN introduction seminar”, then TF-3 decided the program and assignment of presentations as follows. FPD Expert and PC explained the outline of contents of their presentation.

### Concept of the Seminar

Information sharing for the “PBN implementation in Tajikistan” among stakeholders (MOT/CAA, TAN, DIA and Airlines). Especially, what we have to do for complying with “State PBN implementation plan” and how to make it forward within remaining Project terms till December 2018.  
Project avoids a duplication of the contents of ICAO PBN W/S in February 2017 for saving time.

### Draft Program of PBN introduction Seminar on 8<sup>th</sup> Dec.2017

09:00 Opening by Project  
09:05 PBN Introduction by FPD Expert (Mr. Yamane)  
10:00 Status of WGS-84 implementation by TF-3 (Mr. Firuz)  
10:30 Explanation of New PBN Implementation Project by TF-3 (Mr. Khumorov)  
11:00 Explanation of "PBN Implementation Plan" by PM (Mr. Sheraliev)  
11:30 Q&A  
11:45 Closing by TAN

### Assignment for preparing presentations

- PC (Orita): Opening
- FPD Expert (Yamane): PBN introduction (optimizing TAN’s situation)
- AIS Dep. (Firuz): Report on WGS-84/FPD activities in UTDD and plan for three regional airports.
- TF-3 Leader (Khumorov): Explanation of new PBN Project in accordance with official request form
- PM (Sheraliev): Explanation of State PBN Implementation Plan which was approved CAA in July.

5. Mr. Firuz explained the progress of WGS-84 survey for three regional airports by TAN and each airport companies in accordance with DG’s order. FPD Expert agreed to go Khojend airport from 29 November to 1<sup>st</sup> December 2017 with WGS-84 W/G for studying PACSs location and volume of obstacle survey. The meeting participants made consensus that WGS-84 survey and obstacle data for all international airports are essential requirements for launching new PBN Project by TAN and JICA.
6. Mr. Khumorov explained the present situation of using EAD AIS Database and plan of inviting Armenian Experts. Due to several technical difficulties and price for DB user account, TAN gave up the idea of using this EAD AIS DB. Instead of this, TAN determined to use CAIGA AIS service continuously with more appropriate way. TAN AIS team is planning to visit CAIGA with in January 2018 for discussing to separate the Tajik AIPs from Russian one, then settle existing all AIPs until March 2018 under new structure with SAIGA’s 1<sup>st</sup> DDG (Tajik nationals) technical support. Project will inform this decision to new AIS Expert, Mr. Sukegawa for enabling him to optimize the contents of AIP(AIC) Procedure Development Workshop from 8<sup>th</sup> January 2018. Project Coordinator terminated further investigation into the technical specification of EAD AIS DB and AIP generating software.



7. Mr. Yamane explained that the progress of FPD on "RWY27 ILS approach" in SK42 coordinate is going well by TF3 FPD team, but it is difficult to complete it within this mission as an OJT. The new ILS Approach Flight Procedure could be available during next mission in February 2018.  
Mr. Ulugbek explained that Project had drafted a letter which will be sent from JICA TJ office to MOT/CAA for making use this ILS by DIA and TAN's standpoint.

The meeting discussed several hindrances for realizing ILS approach FPD and solutions listed below.

- 1) Flight check by actual fleet.  
Project is waiting official an order from MOT/CAA to DIA and DIA takes initiative to coordinate with Tajikair for conducting flight check.
  - 2) Approval for developed new Flight Procedure.  
Mr. Khumorov explained that newly designed FPs by TAN's ATFM department were circulated to DIA, Tajikair and Somonair, then forward it to CAA/MOT for obtaining approval and back to TAN. TAN request CAIGA to verify and publish it as AIP. There is no written procedure and regulation for official approval up to the present. TF3 expects to straighten this approval issued up on AIP Proc. Dev. W/S by new AIS Expert in January 2018. The meeting realized that an approval, certification and implementation of FI (Flight Inspection) & FV (Validation) is also issue for publishing AIPs.
  - 3) Coordinate of SK42 and WGS-84 are intermingled.  
FPD Expert explained that FPD team will initially design it in WGS-84, then convert to SK42 and publish it as AIP for avoiding a mixture of SK42 and WGS-84 coordinate based FPs until all WGS-84 based SID/STAR will be available. It is not difficult to convert or re-convert between both coordinates.
  - 4) How much depth TAN and Project ought to be involved DIA's property and JICA's grant scheme.  
PC expressed his opinion that underutilized situation of such costly grant equipment should harm a Tajik aviation sector's reputation from the donor community. The meeting made consensus that the actual AIP publication for this new ILS is the first priority things by TAN, JICA, Project and all stakeholders in Tajik aviation sector.
8. Mr. Firuz expressed his opinion to transfer the further activities of SAR from TF-3 to TF-1, because of 3 of 4 participants in MAVa #057A SAR training were ATC.  
Responding this proposal, Project answered that it is difficult to change the positioning in PDM and Expert (Mr. Sukegawa) in charge, but which department having responsibility is TAN's internal issue. If TAN will determine that ATC department will have the SAR mission, Project provide the technical cooperation to TF1 counterpart by TF3 AIS Expert.  
Mr. Firuz promised to coordinate it with TF-1 (Mr. Davlyatov and Mr. Davlon), then ask approval from TAN management ASAP, then report TAN's conclusion to the Project.

## 9. Other Business

- Space for Flight Procedure Office  
Project makes request to allocate the dedicated room with large tables for Flight Procedure Designer team and WGS-84 working group as FPO (Flight Procedure Office) for accelerating their tasks.  
Project also expects that TF3 puts the Notebook-PC (Project provided) and Desktop PC for VISIO to practical use for daily FPD works.  
Mr. Firuz promised that the English class room in ACC will be assigned for Project activities for the time being, then try to allocate the dedicated room as FPO as soon as possible.
- Problem of temporary airport pass for Experts  
The meeting re-confirmed that Taskforce leaders have full responsibility on both of TAN's internal and DIA's process for obtaining a teamplay airport pass until Experts start their first day's activity in accordance with their arrival notification which addressed to DG via TF leaders at least two weeks before their arrival. TF leaders, counterparts in charge and Experts should keep frequently two ways communication until the pass will be ready.  
PM, PC and Technical Assistants basically have had no involvement in such essential logistics between Taskforce and Expert except their first visit.
- VISA run to Almaty by FPD Expert  
Due to 45 days constraint of eVISA, Mr. Yamane is planning to go Almaty in 2-4 December for renewing eVISA. He requested the invitation letter from TAN and Mr. Firuz agree to prepare it same as the previous sample before his departure.





- Free SAR training by MAvA in February 2018.


MAvA management mission had offered one seat of SAR practical training (2 Months) in February 2018 for free of charge (tuition fee and accommodation). Project request TAN management to consider the possibility to allocate budget for air-ticket and allowance. Mr. Firuz will discuss it with TF1, then ask DG for allocating budget if TAN will make use this opportunity.

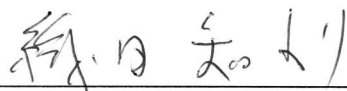
PC commented that it is better to make decision ASAP because education category VISA is required for two months stay in Malaysia.

Dushanbe, 21 November 2017

*for*  
  
Khumorov Bakhtiyor  
Taskforce-3 Leader  
TAJIKAIRNAVIGATION

  
M. Firuz  
Taskforce-3 Sub-Leader / AIS Department  
TAJIKAIRNAVIGATION

  
Atushi Yamane  
TF3 FPD Expert  
ATCA-J

  
Tomonori Orita  
Project Coordinator  
JICA



## **Minutes of the eights Taskforce-3 Meeting (TF3M/8) for “The Project for Capacity Development in Air Traffic Services” in Tajikistan Dushanbe, 11 December 2017**

1. The TF3M/8 for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 14:00-16:00 on 11 December 2017 in the Project Manager’s office.
2. Project Manager organized this meeting, Mr. Sheraliev Bakhtior (PM), Mr. Radjapov Davlon (TF1 Sub-Leader), M. Firuz (TF3 Sub-leader/AIS Department) and Mr. Orita(PC) participated.
3. The purpose of this meeting is mainly coordinating TF3 activities as listed below, but several topics was required coordination with Taskforce-1.
  - 1) Report of discussions with the AIS Service Provider by TF3.
  - 2) Further activities of SAR by TF3 and TF1.
  - 3) Candidate list of PBN I-FPD training in 2018 by TF3 with opinion of TF1.
  - 4) The official order from MOT for RWY27 ILS issue.
  - 5) Regarding WGS-84 reporting by DG and PM to Minister.
  - 6) “SAR coordination training” in Feb 2018 for free which was offered by MAVa delegation.
  - 7) Remind the presentation assignment for PBN seminar on 15th December and invitation letter by PM.
  - 8) Agendas on next TF1M/12 tomorrow.
4. TF3 AIS team reported that TAN determined to continuously use existing the AIS Service Provider as it is in accordance with result of discussion with them in the last week. The AIS Service Provider and TAN made consensus to separate Tajik AIPs (GEN, ENR and AD) from their AIP Book-1 after improving existing all AIPs by TAN’s AIS department, because of the current structure (Tajik AIPs are one part of their AIPs) is enabling Tajik AIPs to conceal imperfections. In this regard, TF3 AIS team is planning to improve it and add lacked information to all AIPs within four months till end of April 2018. Then TAN is planning to order the AIP Service Provider to divide it into Tajik and their AIPs. After this divide, new Tajik AIPs will have same structure as their AIP book-1 in their Web server.

TF3 AIS team explained that the AIS Service Provider cannot disclose what kind of software they are using for re-drawing the Flight Procedures for AIP(AD) and how to generate a paper (pdf) AIPs for publishing via their Web site. However, they promise to accept “.pdf” format from TAN as input data for AD AIPs, and a plain text for the contents of GEN and ENR AIPs as well.

Regarding maps for FP AIP in AD, the AIS Service Provider doesn’t have any digital map data either SK-42 and WGS-84 from the beginning in this outsourcing procedure. The SK-42 map images in existing AIP(AD)s were provided cartography authority in their country to TAJIKAIR in 2004, then TAJIKAIR’s flight procedure designers in those days had overlaid charts on those maps. The AIS Service Provider side didn’t change any map layers from 2004 until now, and they are ready to replace those out-of-date SK42 maps with new WGS-84 maps if TAN wishes. Beside this, the AIS Service Provider explained that they don’t have enough capability for evaluating a result of WGS-84 survey and verify accuracy of maps with WGS-84 coordinate.

TF3 AIS team identified that the AIS Service Provider uploaded all AIPs to their web site for free for whoever want to download it. Neither airlines nor FMS data providers (JEPPESEN, Lufthansa and Honeywell) don’t have a contract for buying their AIPs. It implied that TAN has possibility to publish AIPs through own Web site same as blue binder AIP books until when an eAIP or AIXM will be introduced in the future

TAN and TF3 AIS department have determined that AIP publication procedure will be optimized in a course above with receiving technical cooperation by New AIS Expert in January 2018. The consideration to use the EAD AIS Database by Armenian Expert’s technical help was suspended for the time being in accordance with the decision above. Project supports this TAN’s decision for AIP issue.


5. As of paragraph 8. in M/M of previous TF3 meeting, Mr. Firuz had expressed his opinion to transfer the responsibility of further activities on SAR from TF3 to TF1. After discussing this issue among TF3, TF1 PM and PC, the Meeting decided that the remaining SAR activities by New AIS Expert will be handled by TF3 as it is. However, after completed series of Project activities on SAR, TAN management will make decision which department is appropriate to take responsibility for organizing SAR coordination, because it is premature to finalize SAR structure before Expert technical cooperation. Project agreed this conclusion by TF1 and TF3.





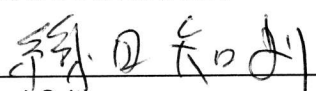
6. Project was informed by TF3 that one of ATC candidates for PBN I-FPD training in 2018 didn't actively participate in FPD-OJT on this November, since TF3 had coordinated with ATC management for assigning him to OJT, but candidate shift schedule was NOT changed.  
Project should confirm or modify the short list of candidates for this training opportunity in Japan.  
Responding to this issue, TF3 and TF1 agree to coordinate this until next TF3 meeting by FPD Expert, then TF3 will make decision to keep him as candidate or not.
7. PM informed that an official letter for solving RWY27 ILS issue were officially sent by MOT to DIA, Tajikair and TAN in 7<sup>th</sup> December 2017 as attachment-A. TAN replied this and planning to have a coordination meeting among all stakeholders and CAA will coordinate this meeting within 18-22 December.
8. PM reported that DG and he had an opportunity for explaining of WGS-84 implementation in UTDD and other three regional airports to the Minister in last week. TAN will have a meeting with airport companies for implementing WGS-84 survey ASAP.
9. PC remind the MAV mission offered free SAR trainings in February 2018.  
Mr. Firuz and Mr. Davlon will decide to use this opportunity within one week.
10. PC remind role of PBN seminar in 15 December as below.  
Assignment for preparing presentations
  - PC (Orita): Opening
  - FPD Expert (Yamane): PBN introduction (optimizing TAN's situation)
  - AIS Dep. (Firuz): Report on WGS-84/FPD activities in UTDD and plan for three regional airports.
  - TF-3 Leader (Khumorov): Explanation of new PBN Project in accordance with official request form
  - PM (Sheraliev): Explanation of State PBN Implementation Plan which was approved CAA in July.
11. PM explained agenda of the TF1 meeting on 12 December as listed below.
  - Finalizing AD Sim annual training plan
  - Finalizing OJT annual training plan
  - Decision making on AD Sim. diversion in to Radar Training.
  - Data arrangement for ATS capacity assessment

Dushanbe, 11 December 2017

  
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R. Davlon  
Taskforce-1 Sub-Leader  
TAJIKAIRNAVIGATION

  
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M. Firuz  
Taskforce-3 Sub-Leader / AIS Department  
TAJIKAIRNAVIGATION

  
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Sheraliev Bakhtiyor  
Project Manager  
TAJIKAIRNAVIGATION

  
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Tomonori Orita  
Project Coordinator  
JICA

**Minutes of The Taskforce-3 Meeting  
for  
“The Project for Capacity Development in Air Traffic Services” in Tajikistan  
Dushanbe, 20 December 2017**

The 9th TF-3 Meeting for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 15:00 – 17:00 on 20 December 2017 at the classroom in ATC Center of Tajikairnavigation. The meeting was organized with Mr. Sheraliev Bakhtiyor (Project Manager/TF-2 Leader), Mr. Muhamadaminshoev Firuz (TF-3 Sub-Leader), Mr. Akbardzhon Tadzhibaev, Mr. Orita (PC) and Mr. Atsushi Yamane (TF-3 FPD Expert).

**Agenda:**

- a) Summary of Activity by FPD Expert from 1 November till 20 December
- b) Summary report about “OJT on Flight Procedure Design”
- c) Introduction and explanation about next activities by FPD Expert of “Observation for Flight Procedure Design in DYU”,
- d) Coordination contentious FPD works for CP to finalize some flight procedures including ILS RWY27 approach in DYU until next February,
- e) Formation of FPD team and confirmation to select nominees for PBN IFP Training 2017 in Japan, and
- f) Confirmation of the coming activity by AIS Expert in January 2018O, and
- g) Other business

**Agenda a)**

JICA Expert, Mr. Yamane explained the summary of activities in this term in TF-3 by showing the attachment-1, schedule of “OJT on Flight Procedure Design” which included to review IFP process through ICAO Quality Assurance Manual for Flight Procedure Design (Doc 9602, volume 1), and conduct basic items of FPD series such as the study for conceptual design, data acquisition, design to apply criteria, documentation and validation to produce STAR, Approach procedure, SID and Holding pattern. This activity concerned proceeded with proper attendances and results of participants on schedule and completed ordinarily.

**Agenda b)**

Mr. Yamane explained some points of “OJT on Flight procedure Design” by showing the report sheets of attachment-2. The OJT consisted of practical works of FPD series as mentioned above to prepare the output of FPD such as design figures, description materials and validation materials of the new ILS RWY27 approach procedure with STAR and the modified SID RWY09. As the result, FPD series of those two procedures were not completed though participants learnt the method and process based on QA manual and conducted conceptual design, data acquisition, design to apply criteria, documentation and validation with Expert as well as supplemental skill of VISIO drafting. Total four participants to consist of two ATC officers, Mr. AKBARDZHON TADZHIBAEV, Mr. CHORSHANBE and two AIS officers, Mr. RUSTAMJON SAFAROV, Mr. ILHOM KULIEV were trained to address OJT on FPD, and finally they were regarded well enough to perform at least basic levels of FPD series of conventional flight procedures such as SID, STAR and approach procedures. Therefore all of participants received the certificate and become junior flight procedure designers. They need more time and experience to involve FPD in various cases to become professional flight procedure specialists.

Mr. Yamane summarized above and concluded that the training resulted to continue FPD series to accomplish ILS RWY27 approach and SID RWY27, then TF-3 members accepted the report.

**Agenda c)**

Mr. Yamane explained the next activities by FPD Expert of “Observation for Flight Procedure Design in DYU” to start from 1 till 27 February 2018 as the attachment-3. This activity will be mainly to observe and supervise FPD series works conducted by CPs who completed OJT. They will continue to design ILS RWY27 approach, SID RWY09 and additional flight procedures to be selected by them for Dushanbe airport. They will be expected to complete these flight procedures under the supervision and assurance of Expert as to design and apply criteria on PANS-OPS, documentation and validation which will be



coordinated with flight operator/airlines or ATC operator. Finally they will provide the accomplished data for flight validation and AIP publication.

TF-3 members agreed the activity plan and dispatches of Expert as scheduling.

#### Agenda d)

Mr. Yamane explained that OJT was ended, and participants completed both Basic PANS-OPS course and OJT on Conventional FPD, so that they become junior flight procedure designer now. They should continue FPD by themselves to finalize design, documentation and validation of ILS RWY27 approach and SID RWY09, or they can start even new targets of flight procedure design. Mr. Bakhtiyor also requested FPD team to prepare the data designed for ILS RWY27 approach sooner to coordinate the validation with Tajik Air. Therefore, Mr. Yamane would like to ask to prepare or construct the environment of FPD work, not only room or tools but also better working condition, because FPD is a new duty for 4 junior designers additionally, so they need to be cared much.

Mr. Firuz told that the classroom can be continuously used for FPD works by FPD team, then the other large room enough for FPD should be prepared before next activity in February and the proper working condition will be also considered.

#### Agenda e)

Mr. Yamane advised that after OJT, FPD team in TAN might be formed with Mr. Akbar, Mr. Ilhom, Mr. Chorshanbe and Mr. Rustamjon, and it should be enforced to undertake conventional FPD in Tajikistan, and develop the practical organization for PBN FPD in the future. Concerning Mr. Befruz who completed Basic Training on PANS-OPS FPD was not attended OJT on FPD, TF-3 members acknowledged that he still intend to be FPD team. Therefore, they confirmed that Mr. Chorshanbe, Mr. Rustamjon and Mr. Behruz will be nominated for PBN FPD Training in Japan in 2018. Mr. Rustamjon needs to be certified to complete Basic Training on PANS-OPS FPD, so that Expert agreed that he will catch him up to be the higher level through FPD works or additional task.

Mr. Bakhtiyor requested that Mr. Befruz should be also caught up for OJT level on FPD to work with FPD team through next February. Mr. Yamane agreed to supervise him and examine his performance for the certification accordingly.

#### Agenda f)

TF-3 members confirmed that the next activity which will be provided AIS Expert, Mr. Shinichiro Sukegawa starting 8 January 2018 will be ready, and the nomination of participants will be done to consider to construct AIP manual. Mr. Firuz advised Mr. Sukegawa to get a transit ID of airport and will provide the materials of draft AIP manual which had been sent by Mr. Sukegawa recently.

#### Agenda g)

TF-3 members consider to construct the proper establishment of FPD in TAN. They requested Expert to help them research and study for international level of structure and manuals or documents, so that Mr. Yamane agreed to advise generally or effectively about essential documents based on Japanese case.

Concerning the human resource development to establish the regular process for immediate flight procedures such as ILS RWY27 approach, TF-3 members confirmed that proper training courses to dispatch someone will be researched to consider the timing and cost-benefit.

Dushanbe, 20 December 2017



Mr. Muhamadaminshoev Firuz  
Taskforce-3 Sub-Leader  
TAJIKAIRNAVIGATION



Mr. Atsushi Yamane  
TJ-ATS Project TF-3 Expert  
ATCA-Japan

#### Attachment:

1. Expert schedule and activities (implementation), "OJT on Flight Procedure Design"
2. The TF-3 activity report, "OJT on Flight Procedure Design"
3. Expert schedule and activities (plan), "Observation for Flight Procedure Design in DYU"



**Minutes of The Task Force-3 Meeting**  
**for**  
**“The Project for Capacity Development in Air Traffic Services”**  
**in Tajikistan**  
**Dushanbe, 8 January 2018**

The 10<sup>th</sup> Task Force-3 (TF-3) Meeting for "The Project for Capacity Development in Air Traffic Services" (hereinafter "the Project") was held on 8 January 2018, 13:00 pm -13:30 pm at the FPD office of ATC Center in Tajikaravigation.

The Meeting was composed of, Mr. Khumorov Bakhtiyor (TF-3 Leader), Mr. Sheraliev Bakhtiyor (Project Manager), Mr. Muhamadaminshoev Firuz (TF-3 Sub-Leader), Mr. Akbar (TF-3), Mr. Habib (TF-3), Mr. Mirzaev (AIS staff), Mr. Toshimatov (PC-A), Mr. Orita (Project Coordinator in JICA) and Mr. Sukegawa (AIS Expert in JICA).

This meeting was held the following agenda.

**Agenda;**

- a) Explain of Activity Plan by TF-3 AIS Expert from 8th January to 25<sup>th</sup> January
- b) Compile on the Aeronautical Information Publishing Procedure Manual Development (APMD)
- c) Identified all given items from AIP Russia for to prepare the draft of AIP Tajikistan on Dushanbe airport to the extent possible

**Agenda a)**

JICA Expert who is Mr. Sukegawa, explained the detail of workshop schedule and activity plan with purpose in this period as the attachment-1.

**Agenda b)**

JICA Expert describe the aims of this workshop which is the Aeronautical information publishing Procedure Manual Development (APMD). The draft document is prepared in accordance with a previous arrangement for five participants.

**Agenda c)**

JICA Expert describe the second item of this workshop. Members of workshop work on to prepare the draft of AIP Tajikistan on Dushanbe airport that identify all given items for the draft to the extent possible.

AIS Expert proposal was accepted at this meeting.

Mr. Khumorov Bakhtiyor, Mr. Sheraliev Bakhtiyor

Regarding the road map for full AIS work in Tajikistan, we have interested to establish it for future. Please prepare the sample of it during stay in Dushanbe.

AIS Expert mentioned to promise to prepare the road map for AIS work as I can be.

Dushanbe, 8 January 2018

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Khumorov BAKHTIYOR  
Taskforce-3 Leader  
State Unitary Enterprise "TAJIKAIRNAVIGATION"

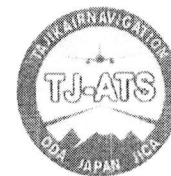
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Shinichiro SUKEGAWA  
TJ-ATS Project AIS Expert  
ATCA-Japan

**List of Attachment:**

1. Expert schedule and activities





**Minutes of The Task Force-3 Meeting**  
**for**  
**“The Project for Capacity Development in Air Traffic Services”**  
**in Tajikistan**  
**Dushanbe, 25 January 2018**

The 11<sup>th</sup> Task Force-3 (TF-3) Meeting for "The Project for Capacity Development in Air Traffic Services" (hereinafter "the Project") was held on 25 January 2018, 10:30 am -11:45 am at the Teaching Laboratory of ATC Center in Tajikaravigation.

The Meeting was composed of, Mr. Muhamadaminshoev Firuz (TF-3 Leader), Mr. Khumorov Bakhtiyor (TF-3 Sub-Leader), Mr. Sheraliev Bakhtiyor (Project Manager), Mr. Orita (Project Coordinator in JICA), Mr. Habibi, Mr. Ilhom and Mr. Sukegawa (AIS Expert in JICA).

In advance of this meeting, the wrap-up meeting was held about the review of AIS workshop with a member of AIS group who are Mr. Safarov, Mr. Abdullah, Mr. Habib, Mr. Ilhom and JICA AIS Expert who is Mr. Sukegawa. The meeting was also reported and coordinated an opportunity of the TF-3 activities by JICA expert in the due period and the next mission in the Sub-activity Plan, according to the following agenda.

Agenda;

- a) Summary of Activity by TF-3 AIS Expert from 8th January to 25th January
- b) Summary report about "the Compile on the Aeronautical Information Publishing Procedure Manual Development (APMD)"
- c) Summary report about "Identified all given items from AIP Russia for to prepare the draft of AIP Tajikistan on Dushanbe airport to the extent possible"
- d) Other business

Agenda a)

JICA Expert who is Mr. Sukegawa, explained the summary of activities in this period in TF-3 by showing the attachment-1 which was conducted with proper attendances on schedule and completed successfully.

Agenda b)

It is main subject for this workshop which is the Compile on the Aeronautical Information Publishing Procedure Manual Development (APMD).

JICA Expert prepared the theme which is "Strive for the AIS world in Tajikistan", the slogan which is "Think together! Head together!" to call them for motivation up.

JICA Expert describe the aims of this workshop which is the Aeronautical information publishing Procedure Manual Development (APMD) to each participant. The draft document is prepared in accordance with a previous arrangement for five participants.

Language issue was constituted a big wall in their activities with no experience of AIS work. However, AIS team members did a great job.

Agenda c)

AIS group members of workshop worked on to prepare the draft of AIP Tajikistan from AIP Russia that identify all given items for the draft to the extent possible.

JICA AIS Expert made the identify list for development of the draft of AIP Tajikistan.

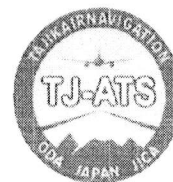
Recommended on this point, Expert comment about lack of AIP and FPD staff. It is necessary to have dedicated AIP and FPD staffs. staffs of Main center and ATS cannot cover and harm all AIS activities.

Agenda d)

AIS Expert offer he is not prepare the draft of road map for full AIP environment in Tajikistan due to time limit and a lot of undefined item in the draft of AIP Tajikistan.

Also, AIS Expert offer to coordinate the summary of the next activity concerning TF-3, the sub-activity schedule is the end of April to May about nine days. Detail of schedule and working are submitting as soon as possible by JICA AIS Expert.





Dushanbe, 8 January 2018

Muhamadaminshoev Firuz  
TF-3 Leader  
State Unitary Enterprise "TAJIKAIRNAVIGATION"

Khumorov BAKHTIYOR  
Taskforce-3 Sub-Leader  
State Unitary Enterprise "TAJIKAIRNAVIGATION"

Shinichiro SUKEGAWA  
TJ-ATS Project AIS Expert  
ATCA-Japan

**List of Attachment:**

1. Expert schedule and the activity report
2. The draft of "Aeronautical Information Publishing Process Manual"
3. Definition and Abbreviation Data base
4. The identify List of AIP documents
5. Roadmap for the transition from AIS to AIM first version



**Minutes of The Taskforce-3 Meeting**  
for  
**“The Project for Capacity Development in Air Traffic Services” in Tajikistan**  
**Dushanbe, 1 February 2018**

The 12th TF-3 Meeting for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 16:00 – 18:00 on 1 February 2018 at the classroom in ATC Center of Tajikairnavigation. The meeting was organized with Mr. Sheraliev Bakhtiyor (Project Manager/TF-2 Leader), Mr. Muhamadaminshoev Firuz (TF-3 Leader), Mr. Khumorov Bakhtiyor (TF-3 Sub-Leader), Mr. Akbardzhon, Mr. Behruz, Mr. Rustamjon, Mr. Ilhom, Mr. Orita (PC), Mr. Watanabe (TF-1/2 Expert) and Mr. Yamane (TF-3 FPD Expert).

**Agenda:**

- a) Progress and review of introduction of Flight procedure Design Ensuring Mechanism in Tajikistan
- b) Confirmation of schedule of “Observation for Flight Procedure Design in Dushanbe Airport”, place and members of FPD team
- c) Confirmation of target procedures for Flight Procedure Design in Dushanbe airport
- d) Other business

**Agenda a)**

Mr. Orita and Mr. Sheraliev Bakhtiyor explained about the construction of Flight Procedure Design (FPD) ensuring mechanism in Tajikistan such as Quality Assurance of FPD and design review or utilizing outsourcing, in particular it was important to address the approval process of ILS RWY27 approach procedure preferentially, and FPD team understood the system and assignment approximately. Members of TF-3 agreed the concept of FPD ensuring mechanism and addressing parties. Mr. Akbar requested to improve compensation to organize FPD service formally in TAN. They understood to discuss it as the internal issues substantially.

**Agenda b)**

Mr. Yamane explained about the activity and schedule of “Observation for Flight Procedure Design in Dushanbe Airport” as the attachment, and basically participants would create FPD work package with supervision and supplementary practical instruction of Expert. At least four outputs of FPD by NDB approach procedure, STAR, SID and ILS approach would be created, and TF-3 members agreed the schedule. The place of FPD work was requested to be prepared functionally, but Mr. Firuz, TF-3 leader told that it was going on to examine independent room for flight procedure office (FPO) and find better circumstances for FPD team. Expert requested to take account of FPD work to use large space and many important materials/tools, and they agreed to use the class room temporarily.

Mr. Yamane requested to organize FPD team and assign significant person as the leader who are handling the team technically, and a definite manager to coordinate with other organization concerning FPD issues. They agreed that Mr. Firuz or Mr. Khumorov Bakhtiyor were assigned as a manager and Mr. Rustamjon Safarov were assigned as a leader, and other members, Mr. Akbar, Mr. Chorushanbe, Mr. Behruz and Mr. Ilhom were assigned as the trained IFP designers. Moreover Mr. Firuz told Mr. Burhon would participate with FPD team as an assistant.

Mr. Yamane also explained the FPD work would be conducted by members in cooperation, and team members were expected to attend as much as possible to be addressed by a team work, FPD team would work everyday, but members could be changed day by day. according to their original duties. They were



acknowledged to take advantage of FPD work more by their managers, and the leader of FPD team would coordinate when it would be difficult to proceed on.

#### Agenda c)

Mr. Yamane explained the type of flight procedures in Dushanbe airport to be chosen as the targets of FPD works such as the repeat of existing procedures or the new creation, and requested some suggestion from TF-3 members. They suggested to design flight procedures by using DME facility which would be installed in the future around Dushanbe. FPD team and Expert requested to be provided with data of DME such as location, antenna elevation and coverage of signal, then would take account of appropriate utilization for flight procedure design, if it would be located in the applicable condition. Mr. Yamane advised that DME facility should mainly be considered in the development of PBN flight procedures, and if possible, NDB/DME new approach procedure would be designed, and SID, Holding and Racetrack procedure as well would be modified on current procedures to apply criteria on latest PANS-OPS.

Mr. Yamane told that the difficult patterns of SID, STAR and approach procedures were addressed first with leading by Expert, and FPD team would complete at least one procedure by each type with documentations as well as design works.

Expert acknowledged that the follow-up of PANS-OPS basic FPD training would be provided for Mr. Rustamjon appropriately, such as special lecture, instruction and exercise through progress of FPD work effectively, and the follow-up of OJT on FPD would be provided for Mr. Behruz appropriately as well, such as practical advice and supplementary theory effectively., and both of them should be assessed with steady achievement and attendance of more than 70%.

#### Agenda d)

Mr. Sheraliev Bakhtiyor sought to ask Mr. Yamane for the instruction of ground validation of FPD in the future, so that they would supplement FPD Quality Assurance course expecting in Baijin, China or other activities concerned in the neighboring countries by more practical aspect and establish FPD QA system in Tajikistan in the activity of the PJ in 2018. Mr. Yamane agreed to conduct a lecture about the implementation of QA or validation of FPD to refer to Japanese case and information mainly about flyability in cooperation with flight operators, as well as the independent design review for outputs of FPD by the team in TAN temporarily.

The local trip of preliminary survey in Khujand airport for establishing WGS-84 survey system would be conducted shortly by AIS and FPD team in February, and they requested Expert to assist it. Mr. Yamane agreed it and would coordinate the schedule with information of their activity soon.

Dushanbe, 1 February 2018



Mr. Muhamadaminshoev Firuz  
Taskforce-3 Leader  
TAJIKAIRNAVIGATION



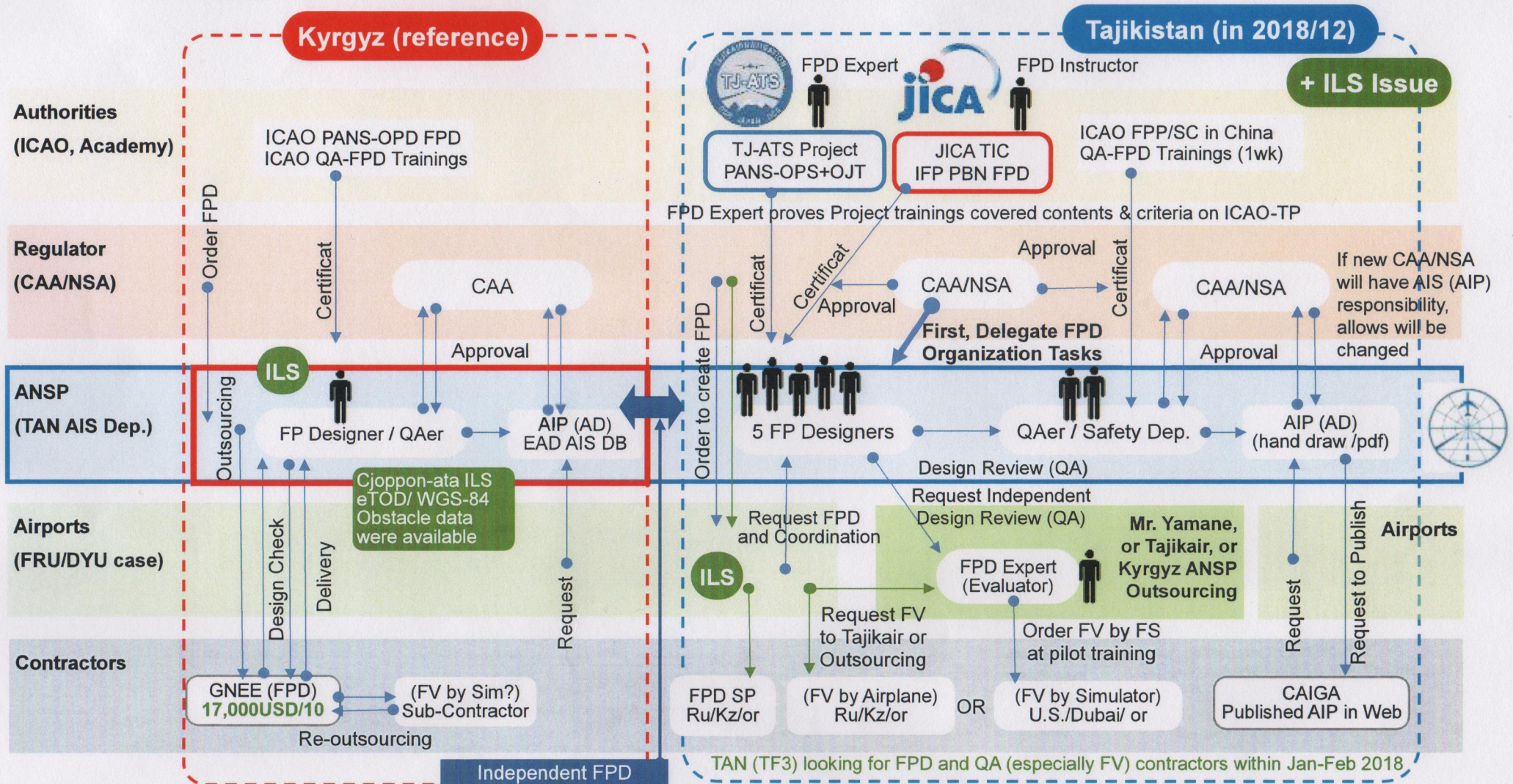
Mr. Atsushi Yamane  
TJ-ATS Project TF-3 Expert  
ATCA-Japan

#### Attachment:

1. FPD Ensuring Mechanism Discussion
2. Expert schedule and activities, "Observation for Flight Procedure Design in Dushanbe Airport"



# FPD Ensuring Mechanism Discussion



**Attention:**

This chart is a mixture of **urgent RWY27 ILS FPD case (by DIA)** and **TAN's future FPD/FPD-QA structure case (by TAN)**

- Required Regulation and Procedures by CAA/NSA (drafting by TAN)
- 1) Delegate FPD Organization Task to TAN
  - 2) Project makes Explanation Logic for FP Designers approval
  - 3) FP Design Procured
  - 4) FP Designer Approval Procedure (based on Explanation logic)
  - 5) FPD- Quality Assurance Procedure



## 3-5 Observation for Flight Procedure Design in Dushanbe Airport

Mont h	Day		Items		Venue	Remarks
			AM (09:00-12:00)	PM (13:30-16:30)		
1	Jan	31	Wed	Arriving Dushanbe by KC131		
2	Feb	1	Thu	Coordination MTNG with TF-3	Confirmation of objects and schedule	T.C. Receive ID, Start Activity
3		2	Fri	Review of result of FPD after OJT	Supervision of Info. Acquisition	FPO Check old OBST data
4		3	Sat			
5		4	Sun			
6		5	Mon	Supplementary OJT of Design (Holding/Racetrack procedure)	FPO	first difficult case
7		6	Tue	Supervision of Design (Holding/Race track procedure)	FPO	* Racetrack procedure
8		7	Wed	Supervision of Design (Holding/Race track procedure)	FPO	
9		8	Thu	Supervision of Documentation	FPO	
10		9	Fri	Review on progress of FPD series	FPO	
11		10	Sat			
12		11	Sun			
13		12	Mon	Supplementary OJT of Design (ILS approach procedure)	FPO	with DME new IFP, if any
14		13	Tue	Supervision of Design (ILS approach procedure)	FPO	first difficult case, RWY09
15		14	Wed	Supervision of Design (ILS approach procedure)	FPO	
16		15	Thu	Supervision of Documentation	FPO	
17		16	Fri	Review on progress of FPD series	FPO	
18		17	Sat			
19		18	Sun			
20		19	Mon	Supplementary OJT of Design (STAR/NDB approach procedure)	FPO	with DME new IFP, if any
21		20	Tue	Supervision of Design (STAR/NDB approach procedure)	FPO	first difficult case
22		21	Wed	Supervision of Design (NDB approach procedure)	FPO	
23		22	Thu	Supervision of Documentation	FPO	
24		23	Fri	Review on progress of FPD series	FPO	
25		24	Sat			
26		25	Sun			
27		26	Mon	Supplementary OJT of Design (SID procedure )	FPO	with DME new IFP, if any
28		27	Tue	Supervision of Design (SID procedure)	FPO	first difficult case
29		28	Wed	Supervision of Design (SID procedure)	FPO	
30		1	Thu	Supervision of Documentation	FPO	
31		2	Fri	Review on progress of FPD series	FPO	
32		3	Sat			
33		4	Sun			
34		5	Mon	Supervision of Ground Validation	FPO	
35		6	Tue	Facilitate meeting or coordination with stakeholders	T.C.	Close activity
36		7	Wed	Wrap-up and Report at TF-3 Meeting, Report to JICA office	T.C.	Return ID
37		8	Thu	National Holiday		
38		9	Fri		Departing Dushanbe by KC132	
39		10	Sat			

\*T.C.: Training Center of TAN, FPO : Flight Procedure Office of TAN

Note. Providing lesser participants with F/U of Basic PANS-OPS occasionally.

Participants will assign the exercise date for supervision of Expert optionally.



## Minutes of The Taskforce-3 Meeting for “The Project for Capacity Development in Air Traffic Services” in Tajikistan Dushanbe, 7 March 2018

The 13th TF-3 Meeting for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 10:00 – 12:00 on 7 March 2018 at the classroom in ATC Center of Tajikairnavigation. The meeting was organized with Mr. Shambiev Alisher (PD), Mr. Muhamadamshoev Firuz (TF-3 Leader), Mr. Khumorov Bakhtiyor (TF-3 Sub-Leader), Mr. Sheraliev Bakhtiyor (Project Manager/TF-2 Leader), Mr. Tomonori Orita (PC), some members of FPD team and Mr. Atsushi Yamane (TF-3 FPD Expert).

### Agenda:

- a) Summary of Activity by FPD Expert from 1 February till 6 March,
- b) Summary report about “Observation for Flight Procedure Design in Dushanbe Airport,” and confirmation of nominees for PBN FPD training 2018 in Japan,
- c) Introduction and confirmation about next activities by FPD Expert including the joint activity with AIS Expert of “AIP Design Exercise on Dushanbe and Seminar on AIP development completion” in April 2018,
- d) Discussion about the framework of FPD service in Tajikistan or TAN, and
- e) Other business

### Agenda a)

JICA Expert, Mr. Yamane explained the summary of activities in this term in TF-3 by showing the attachment-1, schedule of “Observation for Flight Procedure Design in Dushanbe Airport” which included to observe flight procedure design process of works by trained CP of FPD and supervise them with modification of design or idea. At first, FPD team was organized and they have conducted with their initiative so that they addressed to design holding/race track procedure, ILS approach procedures by significant aspect, SID and NDB approach procedure with DME which will be installed later in the airport including missed approach procedure based on ICAO PANS-OPS (Doc 8868).

They have also conducted FPD package such as data acquisition, documentation, situation awareness of obstacle and design review as well as preliminary ground validation based on ICAO Quality Assurance Manual for Flight Procedure Design (Doc 9602). Finally, they finished to design SID RWY09, SID RWY27, NDB/DME RWY09 approach and STAR & preliminary ILS RWY27 approach procedures, but some parts of FPD package are not completed yet, so they are expected to continue FPD works until next April. Therefore, TF-3 members accepted the report.

### Agenda b)

Mr. Yamane explained some points of result of activity “Observation for Flight procedure Design in Dushanbe Airport” by showing the report sheets of attachment-2. The main contents of input and output were described as mentioned above, Observation for FPD consisted of practical works of FPD series on OJT as mentioned above. Total five participants to consist of three ATC officers, Mr. Akbardzhon Tadzhibaev, Mr. Chorshanbe Mubashirov, Mr. Behruz Majidov and two AIS officers, Mr. Rustamjon Safarov, Mr. Ilhom Kuliev were attended to address the FPD series activity on Observation by Expert, and finally they were regarded well enough to perform at least basic levels of conventional flight procedures such as SID, STAR & ILS approach and Non precision approach procedures except Mr. Behruz, because he was less attendance and participation to the procedure design performance.

Therefore, Mr. Yamane decided to give Mr. Rustamjon the certificate of Basic PANS-OPS Flight Procedure Design Training to supplement instruction and recognize his knowledge and skill satisfactorily, but hold to certificate OJT completion for Mr. Behruz.

Mr. Yamane also explained about recommendation to continue design works, documentation and design review and design verification with stakeholders for some parts of FPD in DYU until completion by FPD team so that they will finalize these procedure and create AIP charts, and requested TAN to establish organizational environment and proper facility again.

Mr. Yamane summarized above and concluded that the observation by Expert found for CP to perform FPD series properly and steadily to accomplish practical approach procedures and SID, then TF-3 members accepted the result.

#### Agenda c)

Mr. Yamane explained the next activities by FPD Expert including the joint activity with AIS Expert of “AIP Design Exercise on Dushanbe and Seminar on AIP development completion” in April 2018 to start from 9 April till 3 May 2018 as the attachment-3. This activity will be final stage of activity for FPD issues and mainly to finalize new FPD in DYU by CP with FPD package materials and conduct AIP design exercise to create FPD publications or AIP chart for new flight procedure design outcomes, and introduce flight procedures designed in DYU in the seminar. Mr Yamane also explained to introduce preliminary issues about FPD quality assurance and validation in the next activity for CP who will be concerned to this field of service..

Therefore, Mr. Yamane confirmed the schedule and contents of next activity by AIS Expert, Mr. Sukegawa which were revised and sent to TF-3 Leader, and requested that the airport ID for both experts should be prepared certainly in time starting activity. TF-3 members agreed the activity plan and dispatches of Experts as scheduling. In addition, it was agreed to organize JCC/3 in the morning on 3rd May.

#### Agenda d)

TF-3 members discussed conceptual issues about FPD service and ensuring mechanism in Tajikistan or TAN to define the roll and responsibility to each organization such as CAA as regulator, TAN as ANS provider or Aerodrome company as airport service provider who shall own and manage airport navigation, ILS facility as well in the future.

For the style of FPD services, they discussed that it is merit or demerit to conduct them as well as the validation by themselves or outsourcing in terms of responsibility of FPD, scope of service, cost provider, necessary personnel, organization, allowance or compensation, etc. based on the number and size of airports in Tajikistan and the number of available flight procedures to estimate the next JICA project of PBN introduction technical cooperation. They realized to refer to the situation of neighboring countries and research the competency, scale, outcome, etc. of flight procedure design, ground validation or flight validation in regard to service providers as well.

Based on the above discussion, TF - 3 will continue discussion in the future, and negotiate with relevant parties by hearing opinion or adjusting. Temporarily, they will acquire the situation of FPD formation and the performance or ability of private sectors concerning both flight procedure design and validation in Kyrgyzstan or Kazakhstan, and in addition the design company in Saint Peterburg as well by direct visit of TF-3 members.

Therefore, without reaching conclusion, they agreed to discuss more based on the result of research so that it is necessary to conclude policy of FPD issues and framework sooner for PBN Project in the future. Moreover, they confirmed that it is a top priority to address ILS RWY27 in operation with establishing the approach procedure.

#### Agenda e)

None was noted.

Dushanbe, 7 March 2018

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Mr. Muhamadaminshoev Firuz  
Taskforce-3 Sub-Leader  
TAJIKAIRNAVIGATION

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Mr. Atsushi Yamane  
TJ-ATS Project TF-3 Expert  
ATCA-Japan

#### Attachment:

1. Expert schedule and activities (implementation), “Observation for Flight Procedure Design in Dushanbe Airport”
2. The TF-3 activity report, “Observation for Flight Procedure Design in Dushanbe Airport”
3. Expert schedule and joint activities (plan), “AIP Design Exercise on Dushanbe & Seminar on AIP development completion”



**Minutes of The Taskforce-3 Meeting**  
for  
**“The Project for Capacity Development in Air Traffic Services” in Tajikistan**  
**Dushanbe, 9 April 2018**

The 14th TF-3 Meeting for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 15:00 – 16:30 on 9 April 2018 at the classroom in ATC Center of Tajikairnavigation. The meeting was organized with Mr. Sheraliev Bakhtiyor (Project Manager/TF-2 Leader), Mr. Muhamadaminshoev Firuz (TF-3 Leader), Mr. Khumorov Bakhtiyor (TF-3 Sub-Leader), Mr. Akbardzhon, Mr. Ilhom, Mr. Orita (PC), Mr. Sukegawa (TF-3 AIS Expert) and Mr. Yamane (TF-3 FPD Expert).

**Agenda;**

- a) Confirmation of schedule and contents of “AIP Design Exercise on Dushanbe Airport and Seminar on AIP Development Completion” by FPD side
- b) Confirmation of schedule and contents of “Workshop on SAR coordination manual development” and “AIP Design Exercise on Dushanbe Airport and Seminar on AIP Development Completion” by AIS side
- c) Other business

**Agenda a)**

Mr. Yamane, FPD Expert explained about the activity and schedule of “AIP Design Exercise on Dushanbe Airport and Seminar on AIP Development Completion” as the attachment, basically Expert would conduct the design review for FPD package materials of four outputs of FPD by NDB approach procedure, STAR, SID and ILS approach which were made by FPD team in TAN first, and instruct AIP chart designs for publication style with WGS-84 data surveyed secondly.

The outlines of activity are described as below;

- Confirm the result of FPD works by TAN FPD team
- Design review by Expert or FPD team respectively with all outputs of 4 +  $\alpha$  FPD package
- Pre-flight validation of new FPD to research flight operation issues on desktop or consulting operators
- AIP publication design works on finalized FPD and WGS-84 data according to PANS-OPS and the AIP manual such as contents, form and characters
- Introduction of FPD -QA and Ground validation will be provided by Expert for FPD team and certain staff on a few days as scheduled
- The venue is at FPO/the class room for design works

For the seminar on AIP development completion, Expert requested FPD team to explain the result of FPD and draft charting publication in Dushanbe Airport, and offered himself to introduce the progress of FPD.

TF-3 members accepted the schedule and contents of FPD expert & team activity as above mentioned, and would take account of participation of FPD team members except normal duty.

**Agenda b)**

Mr. Sukegawa explained his task of “Workshop on SAR coordination manual development” and “AIP Design Exercise on Dushanbe Airport and Seminar on AIP Development Completion” at the Tajikairnavigation as AIS expert from 9th to 30th April, 16 days, as follows;

Task target focused on four items which are the Search and Rescue (SAR) coordination manual development, AIP design exercise on Dushanbe International Airport which is main task for this project as additional new flight procedure, Consideration of Road map for effective and efficient AIS business for the Republic of Tajikistan and Holding of the completion seminar on AIP development.

These tasks will be held as Workshop and Exercise except Seminar.

Workshop will be focused to make the manual about the draft of SAR operation which is establishing how



to do work as the Rescue Coordination Center (RCC) in the distress call from some airport by the Republic of Tajikistan / Tajikairnavigation.

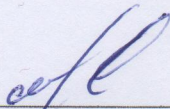
AIP design exercise will be developed the new flight procedure design which is using at Dushanbe International Airport to the AIP Russia as AIP amendment based on ICAO standards.  
We can see the result of any effort in the AIS business support by JICA at the completion seminar on AIP development.

TF-3 Leader and sub-leader are agreed his offer and assigned persons and prepared the place of working. It was identified regarding the SAR workshop has responsible by the director of AIS department who is Mr. Firuz.

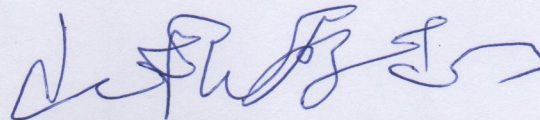
**Agenda c)**

Nothing was noted.

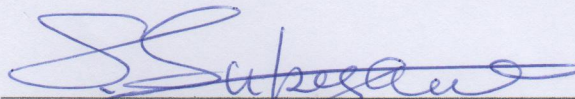
Dushanbe, 9 April 2018



Mr. Muhamadaminshoev Firuz  
Taskforce-3 Leader  
TAJIKAIRNAVIGATION



Mr. Atsushi Yamane  
TJ-ATS Project TF-3 FPD Expert  
ATCA-Japan



Mr. Shinichiro Sukegawa  
TJ-ATS Project TF-3 AIS Expert  
ATCA-Japan

**Attachment:**

1. FPD Expert schedule and activities, "AIP Design Exercise on Dushanbe Airport and Seminar on AIP Development Completion"
2. Brief memo of AIS Expert activities and strategy



## Minutes of The Taskforce-3 Meeting for “The Project for Capacity Development in Air Traffic Services” in Tajikistan Dushanbe, 30 April 2018

The 15th TF-3 Meeting for “The Project for Capacity Development in Air Traffic Services” (hereinafter “the Project”) was held at 15:00 – 17:00 on 30 April 2018 at the classroom in ATC Center of Tajikairnavigation. The meeting was organized with Mr. Shambiev Alisher (PD), Mr. Muhamadaminshoev Firuz (TF-3 Leader), Mr. Khumorov Bakhtiyor (TF-3 Sub-Leader), Mr. Sheraliev Bakhtiyor (Project Manager/TF-2 Leader), Mr. Davlon Radjabov (TF-1 Leader), Mr. Pyrav Khusenov (TF-1 Sub-Leader), Mr. Toshimatov Ulugbek (TF-2), Mr. Tomonori Orita (PC), Mr. Shinichiro Sukegawa (TF-3 AIS Expert) and Mr. Atsushi Yamane (TF-3 FPD Expert).

### Agenda;

- a) Summary of Activity Report on “Finalizing FPD & AIP Design Exercise on Dushanbe Airport” and “Seminar on AIP Development Completion” by FPD side,
- b) Summary of Activity by TF-3 AIS Expert from 9<sup>th</sup> April to 30<sup>th</sup> April,
- c) Summary report about “Workshop on SAR coordination manual development”,
- d) Summary report about “AIP design exercise on DYU” by AIS side,
- e) Summary report about “Roadmap thinking” related “Quality Management for AIS business”,
- f) Coordination for MVA chart construction
- g) Introduction and coordination about next activities by FPD Expert in September 2018,
- h) Introduction and coordination about next activities by AIS Expert in July 2018, and
- i) Other business

### Agenda a)

TF-3 Expert, Mr. Yamane explained the summary of activities in this term in TF-3 by showing the attachment-1, schedule of “AIP design exercise on DYU and Seminar on AIP development completion” which included to finalize flight procedure design and documentation concerned in DYU and conduct chart drawing on AIP style by CP's initiative and supervise of Expert.

Mr. Yamane explained some points of result of this activity by showing the report sheets of attachment-2. The main contents of input were described as review and instruction of design result, design description, flight procedure chart, and presentation of outcome of FPD series activity at the seminar. The outputs were described as performance of 2 SID, 2 STAR, 1 NDB RWY09 approach and 1 ILS RWY27 approach design trial by 3 CPs, Mr. Akbardzhon, Mr. Rustamjon and Mr. Ilhom of FPD team and their primary knowledge and skill, specially for documentation and chart drawing for FPD.

Mr. Yamane also explained about recommendation to develop design works, documentation, drawing of chart, design review by themselves and design verification and validation with stakeholders as well as establishment or condition of FPD service in TAN for the future.

Mr. Yamane summarized above and concluded that the whole activities of FPD with Expert have been ended but it is found for CP to perform FPD series properly and steadily to accomplish practical flight procedures, then TF-3 members accepted both the report and the result.

### Agenda b)

JICA Expert who is Mr. Sukegawa, explained the summary of activities in this period on TF-3 by showing the attachment-3 which was conducted with proper attendances with the exception that SAR Workshop on schedule and completed successfully.



### **Agenda c)**

JICA Expert explained the activity report of SAR coordination manual development and the first trial of RCC operation as attached paper.

JICA Expert describe the aims of this workshop which is the SAR coordination manual development. However, this manual does not complete during the work shop due to a lot of unknown items.

The draft document is prepared in accordance with a previous arrangement for four participants. However, the participants were attended two persons.

TAN is laid out on the table about who is determinate responsible person, and of cause, Establishment, Affairs under the SAR/RCC operation and Organization.

TAN will be conducted by the ATFM department of SAR/RCC operation.

TAN is contacting the person in charge of CAA to the detailed of RCC operation.

Also, the person in charge of TAN is waiting for approval from DG for the draft which is developing by JICA AIS Expert.

### **Agenda d)**

JICA Expert explained the "Road map thinking" related "Quality Management for AIS business" followed by the activity report. This Road map focused to the full operation of AIS in Tajikistan.

TAN received the draft of Roadmap as effective and necessity information. TAN is going to translate to Russian language for the sake of discussion, and they want to draw up a Roadmap toward for full AIS operation, to carry on a full-scale operation.

### **Agenda e)**

JICA Expert explained the activity report of AIP design exercise on DYU with AIS group,

AIS group members of exercise and JICA expert confirmed and checked the draft of AIP Tajikistan.

Cooperation with AIS group members of exercise and JICA expert, developed on to create the draft of Application sheets and Check list for AIS work.

Three documents was highly acclaimed for to AIS operation involved vest Quality Management.

### **Agenda f)**

TF-3 members as well as TF-1 members discussed about the revision of MVA chart which were pointed out to be lack of authorization now. TF-3 had accepted to construct MVA chart in cooperation with TF-1, but Mr. Yamane told that this will need instruction and inspection of ATC specialist. Therefore TF-1 and TF-3 will coordinate with Mr. Watanabe, TF-1 Expert and decide the implementation in detail.

### **Agenda g)**

Mr. Yamane explained the next activities by FPD Expert including "Observation for FPD in DYU" and "FPD-QA(Quality Assurance) Training and W/S" in September 2018 to plan it from 10th till 25th as the attachment-7. This activity will observe and examine new FPD series works and result by CP in 1 week as well as the lecture and exercise of knowledge and skill of basic FPD-QA in another 1 week. Target airport will be DYU or other local airports. FPD team and others concerned to SMS will be trained on the primary service of QA and G/V(Ground Validation). Therefore, TF-3 members accepted the plan of next activity.

Moreover, TAN requested that FPD Expert will come and help validation works of ILS RWY27 approach procedure by CP in June or around, and Mr. Yamane told that he will decide it after observing outputs by out-sourcing design company, then coordinate the activity plan again. TF-3 members accepted his intention.

#### Agenda h)

AIS Expert offer to coordinate the summary of the next activity concerning TF-3 regarding SAR Coordination Exercise, the sub-activity schedule is the middle of July about eight days. Detail of schedule and working are attached paper.

It is largely agreed to the draft of schedule and working.

#### Agenda i)

None was noted.

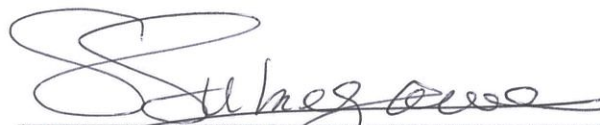
Dushanbe, 30 April 2018



Mr. Muhamadaminshoev Firuz  
Taskforce-3 Leader  
TAJKAIRNAVIGATION



Mr. Atsushi Yamane  
TJ-ATS Project TF-3 FPD Expert  
ATCA-Japan



Mr. Shinichiro Sukegawa  
TJ-ATS Project TF-3 AIS Expert  
ATCA-Japan

#### Attachment:

1. Expert schedule and activities (Actual), "AIP design exercise on DYU and Seminar on AIP development completion"
2. The TF-3 activity report, "AIP design exercise on DYU and Seminar on AIP development completion"
3. Expert schedule and the activity report
4. The draft of " SAR operation Manual" and Scenario on first trial of RCC operation  
(Already submitted related persons)
5. Application sheets and Check List for AIS work  
(Already submitted related persons)
6. The draft of Road map  
(Already submitted related persons)
7. Expert schedule and Observation for FPD in DYU (2) and FPD-QA Training and W/S"
8. July Scheduling and the draft of SAR Exercise July