

DMG31 Notes

12.10.2020

Due to the current situation with the COVID-19 outbreak, the DMG31 was held virtually from 12 to 15th October 2020.

The meeting was attended by the following:

Mr. Mohamed Mezred	Algeria
Mr. Michael Pichler	Austria
Mr. Herman Swinnen	Belgium
Mr. Wim Demol	Belgium (vice-Chairman)
Mr. Patrick Simon	France (Chairman)
Mr. Laurentiu Brojboiu	Romania (Secretary)
Mr. Sergey Grabko	Russian Federation
Mr. Vladimir Tsukanov	Russian Federation
Mr. Gamaiak Vareldzhian	Russian Federation
Mr. Vadim Panteleev	Russian Federation
Mr. Matthew Wagner	United Kingdom
Mr. Christopher Keohan	ICAO Paris

The meeting started on Monday 12th October 10:30. The following agenda was presented for adoption:

Agenda	Topic	WP/IP
1	Adoption of the agenda	WP01 (PS)
2	Approval of the DMG 30 report & Actions from previous meetings	List of act. (LB)
3	Information from other groups ICAO EUR: METG/30 : <ul style="list-style-type: none">- outcome (ICAO Sec)- DMG work program & composition- DMG & SWIM (change our name / purpose) From other groups: ATS TF, ATS TF/PG, VOLCEX, VOLKAM, PT/EAST Global Groups WG-MIE, WG-MOG/SADIS, IMP, METP WMO TT AvXML or successor EASA & EU	WP02 (CK) Input form MIE
4	IWXXM action plan Consider development of implementation table based on information from METNO. <u>IWXXM Actions and coordination</u> <ul style="list-style-type: none">- participate in the development of a regional implementation plan which may include regional/interregional workshop(s)	

	<p>Status of IWXXM implementation in the EUR region</p> <p>IWXXM I/R coordination</p> <p>- testing AMHS</p> <p>Status of translation center agreements for IWXXM</p> <p>DOC 014 (EUR AIRMET and SIGMET Guide)</p> <p>DOC 018 (EUR OPMET Handbook) & IWXXM</p> <p>DOC 033 (Guidelines on IWXXM transition in the EUR region)</p>	<p>WP03 (MP)</p>
5	<p>OPMET Data Monitoring results, action plans & PHP</p> <p><u>Monitoring of OPMET data for AOP aerodromes, following PHP actions or action plans</u></p> <p>Systematically wrong formatted/coded OPMET data</p> <p>Addition of TC SIGMET, SWXA in 2021 monitoring (see as well with SWXC, TCAC Miami and Tokyo)</p> <p>IWXXM monitoring to be further defined /agreed (no monitoring in 2021)</p> <p>PHP: IWXXM errors categories in PHP</p> <p>Routing problems</p> <p>Missing data</p> <p><u>Maintain and update a Database for agreed exchanged non AOP airports OPMET data</u></p>	
6	<p>Performance indices & Volume III – MET OPMET implementation</p> <p>Implement Performance Indices for including availability and timeliness of OPMET data for AOP aerodromes and FIR/UIR on AFTN/AMHS and SADIS as per eANP Vol III;</p> <p>IWXXM State status</p> <p>State Performance monitoring leading possibly to a deficiency</p> <p>Assist MET Service providers in the EUR region, by implementing the appropriate tools to present indices about timeliness and availability</p>	<p>WP05 (HS)</p>
7	<p>Creation of a 4th ROC</p> <p>Finalize the Work Package (transition plan) for the creation of a ROC in Moscow and fulfil the defined actions;</p> <p>Set up Work Packages for the States to be part of the Area of Responsibility of a ROC Moscow, based on their replies to the ICAO letter.</p> <p>Present a consolidated WP that informs about the status of the transition and possible outstanding actions for states in the area of responsibility of ROC Moscow.</p>	<p>WP04 (MP)</p>
8	<p>RODEX</p> <p><u>ROC Back-up procedures/ contingency arrangements</u></p> <p>New back-up schema: schedule, testing, remaining actions</p> <p><u>Coordination with other regions</u></p> <p><u>RODC</u></p>	<p>RODC status</p>
9	<p>EUR Documents</p>	

	DOC 014 SIGMET & AIRMET dissemination & format DOC 018 Handbook (outside IWXXM under Agenda 5) Status/further update of EUR Doc18	
10	SWIM Follow SWIM developments from WG/MIE and EUR SWIM PT and assist in deriving an implementation plan in the EUR region for SWIM <u>SWIM Plan</u> - ROC plans - RODBs plans SWIM services for EUR RODBs - coordination with other regions - EUR procedures & DOC018	
11	Next meetings	
12	Any other business	

Agenda Item 1: Adoption of the Agenda

The group agreed upon the final form of the agenda, including the papers to be presented under each agenda item.

Agenda Item 2: Actions from previous meetings

C. Keohan presented to the group the main outcomes from the METG30 meeting (22-25.09.2020), with particular highlight on those that have an impact on DMG activities:

- updates of the EUR ANP Vol. I and II with respect to inclusion of ROC Moscow, requirements to provide & distribute TCA and WC in EUR Region, SADIS nomenclature , VAA distribution scheme in EUR and use of VONA by the volcano observatories in EUR.
- updates to the DMG ToR and future work programme.

With respect to the DMG ToR it was considered necessary that the group discuss later during the meeting on the future implications related to SWIM and come with proposals for update (currently, the group deals only with OPMET data, while SWIM encompasses more).

PS informed on the latest WG MIE webex meeting: work to be done on the Guideline document, SWIM roadmap was sent to MET Panel members. Updates to be presented to the next DMG meeting.

A new version of ICAO Doc 8896 expected later this winter (updated with proposals from WG MIE and MOG SADIS).

The AFI Region Workshop was considered a big success. The METNO procedure was presented by DMG. Proposals for the exchange of IWXXM data with EUR.

Not much IWXXM data available from the other regions.

Space Weather Advisory headers - Russian headers already made available, routing is in place at ROCs.

Comm link Nicosia - Jeddah to become operational by the end of the year. Link to Bahrain will take a little longer.

Ag. Item 3 Closed

Ag. Item 5 OPMET Data Monitoring results, action plans & PHP

Inclusion of TC SIGMET, SWxA in 2021 monitoring.

Regarding the monitoring of TC Advisories - M.Pichler recalled that if headers were available by 25 Feb 2021 AIRAC date, the monitoring could be performed in first week of March.

EUR ANP Vol. I needs approval by the Council. The testing implies that the headers are known and routing is in place in advance. Difficult to issue the corresponding METNO before approval from ICAO of the headers. It may be included, informal, in the e-mail that announces the SIGMET monitoring.

Action DMG30-5-1: C. Keohan and P. Simon will work on the wording to justify the need to test in advance in order to ensure proper routing of TCA and WC become operational (ensure to be in accordance with ICAO policy).

The Russian Federation was invited to provide contact details of the persons related to the issuance of SWx Advisories, and if possible also from their colleagues from Rep. China, in order to arrange for participation to the test.

Action DMG30-5-2: Russian Federation to provide to M. Pichler the contact persons related to SWx Advisories (also from China, if available).

13.10.2020

PHP

Action DMG30-6-1: Each ROC to check the current status of corresponding tickets opened - by the end of October.

Related to the IWXXM problem types, H. Swinnen informed that new types / categories could already be created by the users (no need for software upgrade / IT support).

OPMET Data Problems section of Doc 018. It is time to identify specific type of problems related to IWXXM (coding, schema, schematron, etc). It is related also to what we decide to monitor, related to IWXXM.

A small sub-group working on this - MP, HS, MW, WD. DMG30 WP on IWXXM monitoring can be used as a starting point. First findings to be presented to DMG in March, further results to be presented to DMG in June 2021.

Action DMG30-6-2: Ad-hoc group (MP, HS, WD, MW-lead) to work in order to identify what will be useful to check / monitor related to IWXXM.

H.Swinnen recalled an action is pending from DMG30 -> statistics on FK and WC monitoring. In support of that, the new version of EUR ANP and 7910 are needed. C. Keohan will provide those before end Nov.

Regarding the OPMET Catalogue - no reason for double effort to produce the catalog - one single is sufficient. MW & HS will provide a WP to next DMG.

H. Swinnen informed the group that Michael Graff (MOG) - requested to join the meeting on Wednesday.

Ag. Item 4 IWXXM Action Plans

C.Keohan presented the current Status of implementation of IWXXM in the EUR Region.

M.Wagner informed that the current status needs to be updated with Baltic States, Sweden, Norway. For Denmark, contact point was identified and update is expected next. P.Simon also informed the group on the situation in ROC Toulouse AoR (info from Algeria, Tunisia).

WPO3 (MP)

COM Centre support for AMHS/FTBP, NOC Centre support, Type of messages produced. There were statistics updated with information from States that declared the implementation by November (resulting in slightly higher figures than ICAO). Germany - NOC offers no AMHS support, as there will not be a P3 connection between ANS and MET Service (other proprietary solution will be in place to ensure exchange, though).

Regarding the status of translation for VA Advisories - M.Wagner to check with UKMO and confirm when will be available.

M. Pichler informed that the status is going to improve further before 5 November, as informed by States. Also tests are in progress currently with a number of States.

P.Simon informed on the situation for Malta - data received for Malta and Lybia compiled in bulletins with TT=MP (Central Medit) needing restructuring. Good progress - TAC data will be translated by Malta to IWXXM 3.0 by the end of this year when probably AMHS / FTBP will also be available. ROC Toulouse will keep coordinating with Malta on bulleting restructuring and same time wait until beginning of next year to see if Malta will be in a position to produce IWXXM, otherwise translation could be done on their behalf at their request.

For Morocco - P.Simon will check the status and inform tomorrow.

Poland - M. Pichler is in coordination with them, they are able to produce IWXXM . Slovakia the same. METNO expected. Part of the next METNO will be also the translation of SIGMET performed by the Russian Federation.

Regarding IWXXM capability: the ROCs to try to identify contacts in their AoR for obtaining information on plans regarding the implementation of IWXXM exchange (production of IWXXM and usage of AMHS by the COM Centres). Provide a limited period for allowing them to implement it - for instance June 2021. After that - report to METG. Inform the States that do not issue IWXXM, that in order to comply with requirements of Annex 3 there is the alternative of using translation by the corresponding ROC (possible reference to the recent State Letter), in which case they would not need to file a difference. Otherwise, a difference need to be filed at 5 November and eventually a defficiency will be noted by ICAO if is long-lasting. First action would be to get answers from States that did not respond, and second would be to prepare a text to be addressed to those States. M.Pichler, C. Keohan (with support from M. Wagner) will work to prepare a Flimsy this week.

Action DMG30-4-1: The ROCs will get information from their AoR regarding usage / planned usage of AMHS/FTBP for the exchange of IWXXM data.

Action DMG30-4-2: Inform States that do not issue IWXXM, because IWXXM cannot yet be produced or extended AMHS is not supported yet, that translation by the corresponding ROC can be used (as an alternative for filing a difference) for a limited period. The exact wording to be prepared by M. Pichler, C. Keohan, M. Wagner.

14.10.2020

M. Pichler provided to the group an updated version of the IWXXM - AMHS Implementation Overview, having different statistics grouped by each ROC. It was considered useful to have the statistics published on the DMG website. M. Pichler agreed the data could be updated regularly on the website but mentioned that, due to technical issues, some delay may be registered.

No updates available on the inter-regional exchange.

Translation: C.Keohan presented an updated list of translation agreements. Further updates to include Algeria, Serbia & Montenegro and Turkey - all starting 5 November. P.Simon informed on new info received from Italy & Spain; after verification, updates will be announced to C. Keohan.

The group discussed on a last acceptable date for translation agreements and agreed that for information received after that date, no extra METNO will be needed and standard AIRAC METNO will be used. H. Swinnen informed that tomorrow (Thursday 15th Oct) he will issue the METNO proposals. Therefore, it was agreed that if any additional information is available, it will be sent to H. Swinnen to be included into the METNO proposal. Subsequent information will be included in the next regular update 3rd December (no extra METNO needed).

Updates of EUR Documents with respect to IWXXM:

Doc 014 - no updates needed.

Doc 018 - DMG subgroup established yesterday for investigating things to monitor.

Doc 033: discussions in WG-MIE, information will be presented to DMG 32

Action DMG30-4-3: P. Simon and M. Wagner will inform at DMG32 on the updates needed to Doc 033, as resulting from WG-MIE discussions.

Ag. item 5 kept open, as updates regarding I-R IWXXM exchange may be available after discussions with M. Graff.

Ag. It. 6 Performance indices & Volume III – MET OPMET implementation

WP05 (HS)

H. Swinnen presented a Report to State -a study case for N Macedonia to investigate why it fails below the thresholds for avbl/timeliness recorded during last DMG monitoring. M.Pichler is in contact with North Macedonia and provided to them the results and explanations of the statistics. So far no reaction, so it seems the report is clear. They are expected to inform ICAO Paris on the current status of aerodromes not fully operational.

Small fix to the calculation was done to cater for bulletins received before midnight. The small adjustments lead to slight improvements but did not influence the overall results that were presented to METG30 for fully operational airports (neither for N Macedonia nor for other State).

Related to the poor results for Sweden - M.Wagner will investigate with H.Swinnen to see whether is a technical problem related to the calculation algorithm or is a real problem with availability/timeliness. HS will provide detailed statistics per airport, in order to help with the investigation.

Action DMG30-6-3: H. Swinnen will provide details per aerodrome for Sweden and together with M. Wagner will investigate on the poor results recorded.

H. Swinnen informed that he can provide details for all aerodromes (fully or partial) just for analysis by the DMG activities. The group agreed on reporting to METG only for fully AOP operational airports.

Agenda Item 7 – Creation of a 4th ROC

WP04 Status of ROC Moscow Creation and Further Planned Actions (MP)

M. Pichler presented to the group an update of the activities undertaken so far with respect to implementation of ROC Moscow.

Regarding IWXXM translation - initially only METAR/TAF. Since 8th October, first translated SIGMETs were distributed (AA=RA,RS only; will be sent for other States in their AoR). These are monitored on the test system of LOWM - feedback available soon. Further coordination to issue the corresponding METNO(s).

Transition from GTS to AMHS - Moscow to start sending data to ROC Vienna via AMHS (in parallel to the GTS distribution to Prague). When confirmed by Vienna, Prague will stop distribution to Vienna (instead, ROC Vienna will start routing the data to Prague). After Prague confirms, Moscow to stop distribution via GTS to Prague. Coordination by Vienna started and need to complete before ROC Moscow implementation.

National transition plans - Concerns were expressed regarding the capabilities of all States to implement AMHS (according to the COM charts, only weak AFTN links available). When more information becomes available it will be presented to DMG.

From ICAO side, C. Keohan informed that EASPG meeting is scheduled for first week of December - amendment proposal for vol.II. An amendment proposal for Feb 2021 - the official point to start the transition could be early March, with a duration of approximately 1 week (establish routing, etc). M. Pichler will coordinate with Russian Federation with respect to necessary actions and target implementation dates (whether before or after DMG) - status to be presented next DMG.

Action DMG30-7-1: M. Pichler to prepare together with Russian Federation the details of the transition - a WP to be presented to DMG32 regarding the current status and the necessary actions and dates.

H. Swinnen noted that an AMHS address for ROC Moscow needs to be provided for METNO.

Action DMG30-7-2: AMHS address for ROC Moscow to be established.

Agenda 7. closed.

Agenda Item 8 - RODEX

ROC Backup procedure - first step is the exchange of routing tables.

Info from ROC Toulouse - AFS not currently able to cope with the proposed back-up scenario. It will be addresses, probably, next spring. P. Simon will inform on the progress.

P. Simon pointed out that the back-up of the translation services is to be taken into account, as well.

Coordination with other regions: C. Keohan - on MID Region: MET subgroup meeting in December - ROC Jeddah - status of inter-regional exchange with Nicosia, possibility to provide translation services.

On the METNO procedure - was not addressed yet, waiting for WG-MIE to address to the Regions. No opposition from MIE expected. Also, it was informally agreed with MET Panel that such actions do not need approval by the MET Panel - to be verified during November MIE webex. It would be beneficial the information passed to the Regions to come from an international group.

Jeddah already tried a METNO (last recorded in 2018). Not much changes were expected since then (MID region OPMET exchange is stable), so it may be assumed that METNO was in place.

RODC - (M. Mezred) received routing tables from ROC Vienna and London which are already in the database. Waiting for routing table from ROC Toulouse. A full presentation of the functionalities that are already implemented is to be done at DMG32.

Action DMG30-8-1: M. Mezred to offer a live presentation of the capabilities implemented for RODC during DMG32.

P. Simon informed that the routing tables of ROC Toulouse undergo a transformation and those will be provided when completed. M. Mezred will then check whether the three routing tables are consistent.

Agenda 9 – EUR Documents

EUR Doc 014 - SIGMET / AIRMET dissemination and format. Regarding Appendix B - the list of SIGMET/AIRMET headers - DMG provide the METNO information and the Secretariat make the updates (it will be updated on the ICAO website by the end of this week). As for the differences to FIR names - that is part of the monitoring (to be checked if that is on ROC Toulouse, as in DMG ToR).

EUR Doc 018

To be included into the next version the TC Advisories. Graphical representation of AoR of the 4 ROCs (NL request at METG). MP will present a WP to next DMG.

Action DMG30-9-1: M. Pichler will present at DMG32 a WP on the current situation with updates to EUR Doc 018.

Q&A session with USA

M. Graff (USA) joined the meeting and asked the group a couple of questions related to:

Q1: AMHS routing. Currently, data from SAM Region is routed to London and to West to Japan OPMET databank. DMG considered that the current inter-regional arrangements need to be checked if that was correct. Bangkok to be asked where they need to get data from. Also to check with Tim Hailes from BoM.

Q2: USA participates to annual SE-ASIA SIGMET monitoring (November) that monitors WS, WC, WV and involves MWOs, TCACs, VAACs. During last 3 years, USA was not recorded - that because data was sent via GTS instead of AMHS. Routing tables were updated.

M.Wagner asked to receive the headers in order to check that routing is in place for those messages.

Dissemination of IWXXM data (via AMHS) - M. Graff informed that will not start on 5th November. More realistic date - December - early January.

Question related to maintaining the list of AMHS addresses to be used for IWXXM distribution. M.Wagner answered that AMC is not used, instead in EUR Region we use the RODEX scheme for dissemination between the 3 ROCs and to NOCs in their AoR. Separate addresses for TAC and IWXXM data are generally used. It was mentioned that USA need to send data to one address only - IROG London, which will be then responsible for disseminating the data to the other EUR ROCs.

Agenda item 10: SWIM

A quick presentation was made on what is currently into revision within the MET WG-MIE , mainly the METSWIM roadmap where there is expectation that it could be agreed next spring, leading hopefully to some presentation next DMG meeting and, if not yet agreed to be published by MIE, DMG/32

Some discussions took place on the readiness of the global documentation about SWIM and the difficulty to currently derive pertinent elements for the EUR region.

DMG chair proposed that the group takes time to reflect about changing our name DMG into EUR MIE or any other name with the aim to start taking into account the SWIM implementation that could start in our region. There is no urgency to propose something consistent but we can start considering in for the future, where there will still be a flow of operational MET information that will still be needed to be managed and the introduction of some SWIM met service to deal with it.

One example where we could start our reflection is about the introduction of new SWIM services for the EUR DB. It has been agreed to form a group with Austria, Belgium, France to that aim.

Agenda item 11: next DMG meetings

It has been agreed that DMG32 meeting will be a virtual meeting from 22 to 25 of March 2021.

DMG 33 will very likely be a virtual meeting as well, to be confirmed next DMG meeting (the exact dates are still to be provided).

There is some expectation that DMG 34 meeting could be a face to face meeting, but this will be confirmed during DMG/32.

Agenda item 12: AoB

some questions were raised on how SADIS will provide SWIM services (foreseen for 2023).

It was asked what to do if a ROC monitors the incoming IWXXM data from its AoR and sees some errors in the content (structure/validation). It was recalled that the validation is offline only and that it would be beneficial to inform the State which produces this data on it. WMO will be questioned on how to report some questions about the schema , now that the new WMO groups are formed. Choy from HK Observatory will be questioned on it.

Austria will share with the group a WP intended to be presented next AST/TF meeting on some P3 connections which have been put into operational by some states and don't seem to have followed the test procedures as defined in EUR DOC020 Appendix H.

DMG31 List of Actions

Id	Action	Responsible	Target date
DMG30-2-4	Coordination on provision of SIGMET/AIRMET in IWXXM	Russian Federation	DMG32
DMG30-2-5	Provide the results of special air-report reception at ROC Toulouse for a period in the beginning of next year	P. Simon	Q2 2021
DMG30-3-1	Check what monitoring centres do not monitor WC	H. Swinnen	
DMG30-3-2	Update the monitoring tools for WC	All monitoring centres	Feb 2021
DMG30-3-3	Provide details to <i>Chris Keohan</i> who will contact the corresponding ICAO Office for addressing compiling centres of WC bulletins which are not in 7910	H. Swinnen C. Keohan	
DMG30-3-4	Verify the headers of FK that TCAC Miami and Tokyo use and provide to M. W.	P. Simon	to be confirmed
DMG30-3-5	Check with Washington and Singapore that the appropriate routing is in place for the TC advisories issued by TCACs Miami and Tokyo	M. Wagner	tbc
DMG30-3-6	Prepare WP on FK and WC headers announced via the METNO procedure	H. Swinnen	
DMG30-3-7	Check on the necessity to update the EUR Doc 018 regarding the new requirements for WC (probably the update procedure and monitoring sections).	M. Pichler	DMG32/33
DMG30-4-1	Prepare coordinated WP on OPMET Catalogue production	H. Swinnen M. Wagner	
DMG30-6-3	Provide info on SWx Centre creation	Russian Federation	METG30
DMG30-7-1	Check SIGMETs for Kazakhstan (Almaty) and Uzbekistan (Nukus)	M. Pichler C. Keohan Russian Federation	tbc
DMG30-7-4	Issue PHP tickets for cases of deterioration (e.g. Italy)	M. Wagner H. Swinnen	DMG31
DMG30-11-2	Prepare a paper on AMDAR - as not OPMET (aviation) data	P. Simon	DMG32

		C. Keohan	
DMG30-11-3	Check IWXXM monitoring section of Doc 018 and transmit objections / proposals to MP who will present a WP on updates necessary to EUR OPMET Handbook	DMG members	DMG32
DMG30-11-4	Provide listing of States using multiple AAs in the bulletin headers, in order to be updated in the distribution determination tables	H. Swinnen	Feb 2021
DMG30-11-5	Present a WP to the next meeting of AST Task Force informing on the requirement of using AFS for OPMET data exchange	P. Simon	Nov. 2020
DMG30-11-6	Review the back-up procedure and test in 2021	ROCs	METG31
DMG30-8-1	Check that the addresses listed in para 2.3 of DMG30-WP11 are implemented	ROCs	DMG31
DMG30-8-2	Contact Turkmenistan in order to obtain an answer on what ROC area of responsibilities was chosen	C. Keohan	DMG31
DMG30-12-1	Update Doc 18 to remove NEWTIM/DELTIM	M. Pichler	METG30
	DMG31		
DMG31-5-1	Prepare the wording to justify to States the need to test in advance in order to ensure proper routing of TCA and WC become operational (ensure to be in accordance with ICAO policy).	C. Keohan P. Simon	March 2021
DMG31-5-2	Provide to M. Pichler the contact persons related to SWx Advisories (from Russian Fed. and also from China, if available).	Russian Federation	DMG32
DMG31-6-1	Check the current status of their corresponding PHP tickets	ROCs	Oct. 2021
DMG31-6-2	Ad-hoc group to work in order to identify what will be useful to check / monitor related to IWXXM.	M. Pichler H. Swinnen Wim Demol M. Wagner	DMG32
DMG31-4-1	Get information from States in their AoR regarding usage / planned usage of AMHS/FTBP for the exchange of IWXXM data	ROCs	
DMG31-4-2	Inform States that do not use or plan to use AMHS for the exchange of IWXXM data that translation by the corresponding ROC can be used (as an alternative for filing a difference) - for a limited period.	M. Pichler C. Keohan M. Wagner ROCs	5 Nov.
DMG31-4-3	Inform DMG on the updates needed to Doc 033, as resulting from WG-MIE discussions	P. Simon M. Wagner	DMG32
DMG31-6-3	Provide details per aerodrome for Sweden and investigate on the poor results recorded	H. Swinnen M. Wagner	DMG32

DMG31-7-1	Prepare the details of the transition - a WP to present to DMG the current status and the necessary actions and dates	M. Pichler Russian Federation	DMG32
DMG31-7-2	Establish AMHS address for ROC Moscow	Russian Federation	DMG32
DMG31-8-1	Live presentation of RODC implementation	M. Mezred	DMG32
DMG31-9-1	Present current situation with updates to Doc018	M. Pichler	DMG32
DMG31-10-1	Subgroup on implementing SWIM services at RODBs	RODBs	