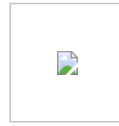




**ASECNA**

## **FIRST MEETING ASECNA - WMO - DMN**

**Dakar, 25 to 27 October 2011**



**WMO**

### **FINAL REPORT**

The first coordination meeting ASECNA - WMO - DMN was held at the Hotel Ngor Diarama in Dakar from 25 to 27 October 2011.

#### **I. - PURPOSE OF THE MEETING**

The meeting organized jointly by WMO and ASECNA has the following objectives :

- identify gaps and shortcomings that undermine the operation of the meteorological observation network based on Member States ;
- to make an inventory of the new requirements of the Organization World Meteorological (WMO) and the Organization of International Civil Aviation Organization (ICAO), on World Weather Watch and meteorological services for air navigation ;
- suggest areas for improvement and tailored solutions, accompanied by an action program to be submitted to the WMO and the United ASECNA.

#### **II -. PARTICIPATION**

Took part in the meeting :

- The President of the Regional Council of WMO for Africa ;
- Fourteen (14) Directors of Services Meteorological ;
- Four (4) Officials WMO ;
- An expert from the ICAO Regional Office for West and Central Africa ;
- Representative ASECNA with the Gabonese Republic ;
- Experts of the Directorate General of ASECNA and EAMAC ;
- Eighteen Charged weather services Representations and Delegations ASECNA from Member States ;
- Experts International Europe, Africa and America.

#### **III -. OPENING CEREMONY**

The opening ceremony was chaired by Mr. **Ndiaye Mactar**, Director General of the National Agency of Meteorology of Senegal, representing the Minister of State, Minister of Cooperation International, Transport Aériens, Infrastructure and the Energy.

Four (04) speeches were made on this occasion :

- The welcome Lady OBAME-EDOU Josette Claire, Director of Technical Operations, representing the Director General of ASECNA ;
- The speech of Mr. Robert O. MASTERS, Director, Department of Development and Regional Activities WMO representing the Secretary General of WMO ;
- The speech of Mr. Mamadou Lamine Bah, President of the Regional Association I (Africa) of WMO ;
- The opening speech of the meeting by Mr. Ndiaye Mactar, representing the Minister of State, Minister of Cooperation International, Transport Aériens, Infrastructure and Energy.

#### **IV -. PROCEDURE, CONCLUSION AND RECOMMENDATIONS**

##### **SESSION I : STATUS OF METEOROLOGICAL SERVICES AREA ASECNA**

##### **Theme 1 : Minutes of Meetings International and Regional**

##### **1.1 First Conference of Ministers Responsible for Meteorology in Africa held in Nairobi, Kenya, in April 2010 :**

This first conference established the African Ministerial Conference on Meteorology (AMCOMET), as high-level mechanism for promoting the development of meteorology and its applications in Africa and decided to develop a strategy for African meteorology to strengthen the capacity of Services weather.

The Ministers are incurred during this conference to take all necessary measures to ensure that Services African weather can meet the ICAO requirements for the System Management Quality by November 2012.

Given the lack of communication about the outcome of that meeting was the following recommendation e has been formulated:

##### **RECOMMENDATION 1/7 :**

- The DMN to u wide awareness among policy makers and actors in the field of meteorology, the objectives of the development strategy, organizing awareness sessions at national level ;
- Chargés weather services ASECNA, take all necessary steps to participate in the DMN to the development of meteorological services at national level.

## 1.2 Fifteenth Meeting of the Regional Association I (Africa) held in Marrakech, Morocco in November 2010

A strategic plan 2012 - 2015 was adopted by this meeting which invites Member States to take measures to develop national plans including all national structures working in the fields of meteorology.

### Cotonou symposium held in November 2010

The meeting was informed of the findings and recommendations of the Forum of Cotonou. Discussions are on, it became apparent low participation of Member States DMN E ASECNA this forum.

Given the relevance of the results of the forum, the meeting formulated the following recommendation :

#### RECOMMENDATION 2/7

- A ASECNA, take all measures in order to inform with sufficient notice, the National Meteorological Services, the holding of symposia next century.
- A ASECNA to WMO and DMN define the appropriate modalities to harmonize all the strategies arising from regional and international meetings (Working Group ASECNA WMO (GTAO) can serve as a framework for conducting said reflection).

### Theme 2 : State of the WWW in Member ASECNA countries

Many shortcomings were highlighted by the meeting. The most important are :

- 1) the unavailability of data from observation stations at centers worldwide data processing and forecasting;
- 2) inadequate and outdated instruments and observing systems ;
- 3) the existence of many non-calibrated barometers ;
- 4) the NO of a Regional Instrumentation Centre (ICC) in a box ASECNA ;
- 5) weakness the concentration level of observation data at the national level ;
- 6) little control recommended and associated on-WIS procedures VMM standards and practices ;
- 7) personnel, inadequate unskilled and older ;
- 8) e the lack of supplies for the operation of stations ;
- 9) a weakness in the maintenance and upkeep of instruments MTO ;
- 10) the existence of several structures in charge of the management of meteorological activities at national level ;
- 11) the lack of coordination between the various entities in charge of meteorological activities at national level.

## SESSION II: AREAS FOR IMPROVEMENT

### Theme 1 : Improved observation systems

Under s deficiencies in Section 1, the meeting formulated the following recommendation :

#### RECOMMENDATION 3/7

On equipment and observation networks :

- the DMN, research r funding through cooperation programs e bilateral and multilateral e (CMCS, ClimDev-Africa, PCV / WMO, etc. ;) For the rehabilitation of meteorological observation networks ;
- the DMN, involve technical and financial partners in the development of national programs in meteorology ;
- A WMO and ASECNA assist with the DMN in the modernization of networks of meteorological stations.

On the calibration of barometers : The meeting recommends ASECNA within the limits of its possibilities :

- d fine and implement a multi-year program of calibration are barometers of the Member States of the Agency ;
- continue its digitization program barometers ;
- review with the support of WMO, the creation of a Regional Centre for instrumentation (CRI) for ASECNA area;

On capacity :

- On the institutional side, the meeting recommends that the DMN, WMO and ASECNA, seize the opportunity offered by the commitments made by the ministers responsible for meteorology, aimed at strengthening S ervices national meteorological and ensure their sustainability by providing them with all the necessary resources and an appropriate institutional framework, action necessarily involves the establishment of autonomous structures.

Regarding compliance procedures :

- The meeting recommends ASECNA organize in 2012 in collaboration with WMO seminar for the benefit of national weather and Telecom Personal (ASECNA, DMN) to improve the performance of services ;
- In order to improve the availability of meteorological data received to CRTs hosted by the Member States ASECNA and from CMN connecting, especially CMN non Member States ASECNA, the meeting recommends that the Agency e poursuivr its efforts to restore function circuits and defective SMT implement those not yet installed.

On staff training :

- The meeting recommends ASECNA :
  - accompany the DMN in maintaining skills and qualifications of their staff in the weather CELICA ;
  - diligently to put in place EAMAC internet broadband connection in order to develop the use of Information Technology and Communication (ICT) for training,
  - strengthen the capacity of host EAMAC and increase the number of instructors Weather to enable the school to meet the many requests for training meteorologists from the Agency and States.

Concerning the transmission of data, the meeting recommends:

- ASECNA support DMN in the modernization of telecommunication systems (use of new technologies GSM, Internet, etc..) ;
- ASECNA strengthen the capacity of CRT in Member countries to ensure their competence (organization of services, procedures, updating catalog s routing, etc.) ;
- ASECNA and DMN, the development of equipment included in their plan s.

## **Theme 2 : Management System (QMS)**

On the QMS, the meeting was informed of was outstanding at national, international and ASECNA. Of these actions, we retain the ongoing development of a new textbook on QMS. This guide will be available in a few months on the W eb site WMO in English, will provide practical bases on the implementation of quality assurance in S ervices weather.

Given the date of entry into force of the standard (November 2012), the meeting recommended :

### **RECOMMENDATION 4/7**

- ASECNA, WMO and the DMN é establish a close partnership with a view to a coordinated implementation of QMS in the Member States ASECNA ;
- ASECNA and DMN of p make provisions for the establishment of interface contracts' to ensure their mastery so that services meet the requirements of users ;
- to ASECNA and WMO to make appropriate arrangements for capacity building of DMN in the implementation of the QMS ;
- ASECNA and DMN to find a suitable coordination mechanism to achieve the objectives of airport certification.

## **Theme 3 : Training**

Schools ASECNA presented offer training (initial and ongoing) ASECNA.

WMO presented the provisions contained herein No. 258 (WMO) and the standards of skills and qualifications required for aeronautical meteorological personnel as well as the rules for granting scholarships .

After the exchange, the meeting formulated the following recommendation:

### **RECOMMENDATION 5/7**

The meeting invites :

- DMN EAMAC to transmit to their needs for the planning of training ;
- DMN to ensure compliance training programs of national institutions to the new standards of qualification and competence of WMO ;
- ASECNA DMN to offer the possibility of using weather CELICA for the development of their staff ;
- ASECNA to continue organizing the course complements French for nationals of Guinea Bissau and Equatorial Guinea ;
- ASECNA to revise downward pricing policy for staff DMN Member States and are fellows of WMO.

The meeting encourages :

- ASECNA and DMN use offers distance learning (e-learning) are offered by the centers as COMET ;
- EAMAC to develop on-site training for the DMN.

## **Theme 4: Financing of meteorological activities**

Whereas the scarcity of resources faced by Services national weather, is a major handicap for the development of meteorological activities, the meeting recommends to DMN :

- to search through bilateral and multilateral programs (program against poverty, social climate change, etc..) opportunities for finance activities ;
- to take initiatives to invite traditional donors (ADB, World Bank, WFP etc..) they organize the various forums on specific topics ;
- explore with institutions such as ECOWAS, CEMAC, UNDP, etc.. opportunities in areas involving meteorology ;

Encourages :

- ASECNA to support the DMN, including equipment supplies, audits of observational networks, calibration of national barometers, modernization of GTS components, maintenance of skills and qualifications, on-site training, etc.. ;
- DMN to approach the Ministers supervising ASECNA to examine what can be done for the Services weather in the context of the institutional support offered by ASECNA ;
- WMO to provide all necessary support in the framework of voluntary cooperation (PCV).

### SESSION III: INTERNATIONAL COOPERATION

The meeting took note of the arrangements put in place by the DGM of Madagascar for calibration barometers of national synoptic network.

The meeting has welcomed the good cooperation between ASECNA and WMO. However, it was recommended to stakeholders:

#### RECOMMENDATION 6/7

- to establish a national framework for dialogue encompassing all weather activities ;
- to continue cooperation ASECNA-WMO and encourage mutual participation in the work of bodies constituting both parties (Committee of Ministers and the Board of Directors of the ASECNA, Executive Board and WMO Congress, etc..) ;
- to establish a conciliation meeting ASECNA-WMO-DMN at least every three years. These meetings may be held concurrently with other meetings ;
- establish a mechanism for monitoring recommendations meetings ASECNA-WMO-DMN.

#### RECOMMENDATION 7/7

- In the cadre new management principles Activités Aéronautiques Nationales (AAN), the meeting recommended that DMN and ASECNA engaging reflections in order to take into account the cadre protocols Additional are the difficulties arising from implementing new contracts.
- As part of the activities assigned to GTA0, meeting invites ASECNA and WMO, to broaden the scope of activity of the group in order to take into account the following aspects :
  - the institutional component ;
  - the strengthening and rehabilitation of networks of observing stations ;
  - the impact of new management principles ;
  - modernization of the means of exchange (TELECOM) ;
  - defining the modalities of implementation of the monitoring mechanism conclusions and recommendations of the consultation meetings ASECNA-WMO-DMN.

### GENERAL PROVISIONS

The meeting requested the Director-General of ASECNA to take note of this report and to bring to the attention of Ministers supervising the Agency Directors ASECNA and the Secretary General of WMO, for the implementation of the recommendations contained therein.

### V. - CLOSING

The closing ceremony took place on 27 October 2011 at 1:30 p.m. minutes under the chairmanship of Madame OBAMA E - EDOU Josette Claire, Director of Exploitation Technology, representing the Director General of **ASECNA**.

*Final Report Meeting ASECNA-WMO-DMN Dakar from 25 to 27 October 2011*



## FIRST MEETING ASECNA - WMO - DMN

*Dakar, 25 to 27 October 2011*



### TABLE OF FOLLOW-UP

| NO. | S RECOMMENDATION     | S PROPOSED SOLUTION S | CAST | NOTICE | COMMENTS |
|-----|----------------------|-----------------------|------|--------|----------|
|     | RECOMMENDATION 1/7 : |                       |      |        |          |
|     |                      |                       |      |        |          |

|   |   |   |                                    |                                   |  |
|---|---|---|------------------------------------|-----------------------------------|--|
| 1.  | - The DMN, to heighten the awareness of policy makers and actors in the field of meteorology, the objectives of the development strategy, organizing awareness sessions at national level ;   | Organizing awareness sessions at national level   | DMN                                | Permanent                         |  |
| 2.  | - Chargés weather services ASECNA, take all necessary steps to participate in the DMN to the development of meteorological services at national level.  | Participation ASECNA development of meteorological services at the national level   | Representation and Responsible MET | Urgently                          |  |
| <b>RECOMMENDATION 2/7 :</b>   |   |   |                                    |                                   |  |
| 3.  | - A ASECNA, take all measures to inform with sufficient notice, the National Meteorological Services, the holding of future symposia.   | Getting available to the DMN, the provisional program of meetings organized by METASECNA                                      | ASECNA                             | Beginning of the year and updates |  |
| 4.  | - A ASECNA to WMO and DMN define the appropriate modalities to harmonize all the strategies arising from regional and international meetings ( <b>Working Group ASECNA WMO (GTAO)</b> can serve as a framework for conducting said reflection). | Defined modalities are appropriate modalities for harmonizing all strategies arising from regional and international meetings | GTAO                               | Sessions of GTA0                  |  |
| <b>RECOMMENDATION 3/7 : On the equipment and observation networks :</b> |   |   |                                    |                                   |  |
| 5.  | - the DMN, to seek funding through the WMO programs of bilateral and multilateral cooperation (CMCS, ClimDev-Africa, PCV / etc. ) For the rehabilitation of meteorological observation networks ;   | Research funding  | DMN                                | Permanent                         |  |

| NO.  | RECOMMENDATIONS   | PROPOSED SOLUTIONS   | CAST               | NOTICE              | COMMENTS |
|--|---|--|--------------------|---------------------|----------|
| 6.   | - the DMN, involve technical and financial partners in the development of national programs in meteorology ;  | Involvement of technical and financial partners in the development of national programs in meteorology                                 | DMN                | Urgently            |          |
| 7.   | - A WMO and ASECNA assist with the DMN in the modernization of networks of meteorological stations.   | To support assessment missions network of meteorological observation stations  | DMN / ASECNA / WMO | Urgently            |          |
| <b>On the calibration of barometers : The meeting recommends ASECNA within the limits of its possibilities :</b> |   |  |                    |                     |          |
| 8.   | - define and implement a multi-year calibration barometers of Member States of the Agency ;   | Continuation of facilities and calibration of digital barometers national standards  | ASECNA             | June 2012           |          |
| 9.   | - continue its digitization program barometers ;  | Plan digitization barometers stations to the next Plan Services and Facilities ASECNA  | ASECNA             | Urgently            |          |
| 10.  | - review with the support of WMO, the creation of a Regional Centre for instrumentation (CRI) for ASECNA area;  | Creating an instrumentation Regional Center (IRC) for ASECNA area  | ASECNA             | Urgently            |          |
| <b>On capacity building :</b>  |   |  |                    |                     |          |
| 11.  | On the institutional side, the meeting recommends that the DMN, WMO and ASECNA, seize the opportunity offered by the commitments made by the ministers responsible for meteorology, aimed at strengthening national meteorological services and to ensure their sustainability by providing them with all the necessary resources and an appropriate institutional framework, action necessarily involves the establishment of autonomous structures. | A high-level meeting instances of three parts DMN, WMO and ASECNA examine the follow-up to this recommendation                         | DMN / ASECNA / WMO | Second half of 2012 |          |
| <b>Regarding compliance procedures :</b>   |   |  |                    |                     |          |
| 12.  | The meeting recommends ASECNA organize in 2012 in collaboration with WMO seminar for the benefit of national weather and Telecom Personal (ASECNA, DMN) to improve the performance of services ;  | Organization of a joint ASECNA / WMO workshop on improving the exchange of meteorological data for the benefit of Member States ASECNA | ASECNA             | Second half of 2012 |          |

| NO.                        | RECOMMENDATIONS   | PROPOSED SOLUTIONS  | CAST   | NOTICE      | COMMENTS |
|----------------------------|---|---|--------|-------------|----------|
| 13.                        | In order to improve the availability of the received CRTs hosted by Member States and ASECNA from CMN connecting meteorological data, especially CMN non-member States of ASECNA, the meeting recommends that the Agency continue its efforts to restore function circuits and defective SMT implement those not yet installed. | Coordination with the employees for the recovery of GTS links Plan    | ASECNA | End of 2012 |          |
| <b>On staff training :</b> |   |   |        |             |          |
| 14.                        | The meeting recommends ASECNA :<br>- accompany the DMN in maintaining skills and  | A compagner DMN in maintaining the skills and qualifications of their | ASECNA | Permanent   |          |

|     |   |   |        |             |  |
|-----|---|---|--------|-------------|--|
|     | qualifications of their staff in the weather CELICA ;   | meteorological personnel  |        |             |  |
| 15. | - diligently to put in place EAMAC internet broadband connection in order to develop the use of Information Technology and Communication (ICT) for training,                                  | Improved internet connection EAMAC  | ASECNA | Urgently    |  |
| 16. | - strengthen the capacity of host EAMAC and increase the number of instructors Weather to enable the school to meet the many requests for training meteorologists from the Agency and States. | Strengthening the capacity of the host EAMAC  | EAMAC  |             |  |
| 17. | <b>Concerning the transmission of data, the meeting recommends:</b>   |   |        |             |  |
|     | - ASECNA support DMN in the modernization of telecommunication systems (use of new GSM, Internet technologies, etc.) ;  | Improving the collection of meteorological data at national level by the use of new GSM, Internet technologies, etc.. | ASECNA | End of 2012 |  |
| 18. | - ASECNA strengthen the capacity of CRT in Member countries to ensure their competence (organization of services, procedures, update catalogs routing, etc.) ;                                | Capacity of CRT   | ASECNA | End of 2012 |  |
| 19. | - ASECNA and DMN, the establishment of facilities enrolled in their plan.   | Effective implementation of projects under the MET PSE ASECNA   | ASECNA | Urgently    |  |

| NO. | RECOMMENDATIONS  | PROPOSED SOLUTIONS   | CAST                 | NOTICE            | COMMENTS  |
|-----|--|--|----------------------|-------------------|---|
|     | <b>RECOMMENDATION 4/7 :</b>  |  |                      |                   |   |
| 20. | - ASECNA, WMO and DMN to establish a close partnership for a coordinated implementation of QMS in the Member States of ASECNA ;                | Coordinated implementation of QMS in the Member States ASECNA  | Ascena / WMO / DMN   | Urgently          |   |
| 21. | - ASECNA and DMN, to arrange for the establishment of interface contracts and ensure control so that services meet the requirements of users ; | Implementation of an interface between ASECNA and DMN to meet users' requirements contracts                                | Ascena / DMN         | July 2012         |   |
| 22. | - ASECNA and WMO to make appropriate arrangements for capacity building of DMN in the implementation of the QMS ;                              | R enforcement capacities DMN in the implementation of the QMS  | ASECNA / WMO         | October 2012      |   |
| 23. | - ASECNA and DMN to find a suitable coordination mechanism to achieve the objectives of airport certification.                                 |  |                      |                   |   |
|     | <b>RECOMMENDATION 5/7 : The meeting invites :</b>  |  |                      |                   |   |
| 24. | DMN EAMAC to transmit to their needs for the planning of training ;  | Term training needs of perennials MET DMN EAMAC  | Member States ASECNA | Urgently          |   |
| 25. | DMN to ensure compliance training programs of national institutions to the new standards of qualification and competence of WMO ;              | S ensure compliance training programs of national institutions to the new standards of qualification and competence of WMO | DMN                  | Urgently          |   |
| 26. | ASECNA DMN to offer the possibility of using weather CELICA for the development of their staff ;   | Participation of the DMN courses and qualifications offered in CELICA MET ASECNA   | DMN                  | End of April 2012 | Term needs of year N +1 at the latest by the end of April of year N |
| 27. | ASECNA to continue organizing the course complements French for nationals of Guinea Bissau and Equatorial Guinea ;                             | P oursuivre organization complements French courses for nationals of Guinea Bissau and Equatorial Guinea                   | EAMAC                | Urgently          |   |
| 28. | ASECNA to revise downward pricing policy for staff DMN Member States and WMO fellows.  | R ESee downward pricing policy for staff DMN Member States and WMO fellows.  | EAMAC                | Urgently          |   |

| NO. | RECOMMENDATIONS   | PROPOSED SOLUTIONS  | CAST         | NOTICE    | COMMENTS |
|-----|---|---|--------------|-----------|----------|
|     | <b>The meeting encourages :</b>   |   |              |           |          |
| 13. | ASECNA and DMN use offers distance learning (e-learning) offered by the centers as COMET ;  | U se offers distance learning (e-learning) offered by the centers as COMET  | ASECNA / DMN | Urgently  |          |
| 14. | EAMAC to develop on-site training for the DMN.  | Offer distance learning to DMN  | EAMAC        | Urgently  |          |
|     | <b>meeting recommends DMN :</b>   |   |              |           |          |
| 15. | to search through bilateral and multilateral programs (program against poverty, climate change, etc.) opportunities to finance their activities ; | search through bilateral and multilateral programs opportunities to finance | DMN          | Permanent |          |

|     |  |  |              |           |  |
|-----|--|--|--------------|-----------|--|
|     |  | their activities   |              |           |  |
| 16. | to take initiatives to invite traditional donors (ADB, World Bank, WFP etc.) at various forums they organized on specific themes ;   | Engaging traditional donors (ADB, World Bank, WFP etc.) On specific topics   | DMN          | Permanent |  |
| 17. | explore with institutions such as ECOWAS, CEMAC, UNDP, etc.. opportunities in areas involving meteorology ;  |  |              |           |  |
| 18. | <b>Encourages :</b><br>ASECNA to support the DMN, including equipment supplies, audits of observational networks, calibration of national barometers, modernization of GTS components, maintenance of skills and qualifications, on-site training, etc.. ; | Strengthen support to DMN  | ASECNA       | Urgently  | Under the Plans Services and Facilities ASECNA |
| 19. | DMN to approach the Ministers supervising ASECNA to examine what can be done for meteorological services in the context of the institutional support offered by ASECNA ;   | Developing an Action Plan on DMN decisions adopted at the First Conference of Ministers Responsible for Meteorology in Nairobi | DMN / ASECNA | Urgently  |  |
| 20. | WMO to provide all necessary support in the framework of voluntary cooperation (PCV).  | Pay particular attention to the DMN ASECNA member States under different Action Plans  | WMO          | Urgently  | Under the VCP                                  |

| NO. | RECOMMENDATIONS  | PROPOSED SOLUTIONS   | CAST  | NOTICE   | COMMENTS |
|-----|--|--|---|----------|----------|
| 21. | <b>RECOMMENDATION 6/7 :</b><br>- to establish a national framework for dialogue encompassing all weather activities ;  | Define a framework for consultation at the national level to discuss the activities of meteorology   | DMN / Representation. ASECNA / Other actors | Urgently |          |
| 22. | - to continue cooperation ASECNA-WMO and encourage mutual participation in the work of bodies constituents of both parties (Committee of Ministers and Board ASECNA, Executive Board and WMO Congress, etc.). ;  | F ROMOTE reciprocal participation in the work of bodies constituents of both parties (Committee of Ministers and Board ASECNA, Executive Board and WMO Congress, etc.).            | ASECNA / WMO                                | Urgently |          |
| 23. | - to establish a conciliation meeting ASECNA-WMO-DMN at least every three years. These meetings may be held concurrently with other meetings ;   | Establish a consultation meeting ASECNA-WMO-DMN at least every three years meetings  | ASECNA / WMO                                | Urgently |          |
| 24. | - establish a mechanism for monitoring recommendations meetings ASECNA-WMO-DMN.  | Propose at the next meeting GTAO a monitoring recommendations meetings ASECNA with WMO and DMN.  | GTAO  | 2012     |          |
| 25. | <b>RECOMMENDATION 7/7 :</b><br>Under the new management of National Aeronautical Activities (AAN), the meeting recommended that DMN and ASECNA to initiate discussions to consider in the context of additional protocols difficulties arising from new contracts execution.   | Meeting ASECNA / DMN on new management AAN   | ASECNA / DMN                                | H1 2012  |          |
| 26. | As part of the activities assigned to GTAo, meeting invites ASECNA and WMO, to broaden the scope of activity of the group in order to take into account the following aspects :<br>- the institutional component ;<br>- strengthening and rehabilitation of networks of observation stations ;<br>- the impact of new management principles ;<br>- modernization of the means of exchange (TELECOM) ;<br>- defining the modalities of implementation of the monitoring findings and recommendations of the consultation meetings ASECNA-WMO-DMN. | Elargissement activities GTAo among other institutional aspects, strengthening and rehabilitation of networks of observation stations and means of exchange of meteorological data | GTAO  | Urgently |          |





## LIST OF PARTICIPANTS

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## LIST OF PARTICIPANTS

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