

## Appendix B: Status of implementation of the Conclusions and Decisions of SAT/23

### Agenda Item 3: *Communications, Navigation and Surveillance (CNS)*

#### 3.1 Follow up of SAT/23 Conclusions & Decisions pertaining to the CNS field

<b>Conclusion 23/07: Improvement of the reporting on the work of the multidisciplinary local Group for the assessment and the mitigation of missing Flight Plans</b>	
<b>That;</b>  SAT ANSPs that have not yet done so, update their list of Focal Point by <b>31 07 2018</b> , reinforce the activities of the local Group for the assessment and mitigation of missing Flight Plans and report monthly to ASECNA the outcome of their investigation on missing flight Plans.	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To improve the reporting on the work of the multidisciplinary local Group for the assessment and the mitigation of missing Flight Plans</b>	
<b>When: 31 July 2018</b>	<b>Status: ANSPs to report</b>
<b>Who: <input checked="" type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

<b>Conclusion 23/08: Establishment of SITA Gateways on SAT VSATS networks</b>	
<b>That;</b>  a) SAT concerned members include in the project of re-engineering of their Networks (AFISNET, CAFSAT) a study on the feasibility of the establishment of SITA Gateways on VSATS networks after cost benefit analysis; b) Consider the trials already conducted in the SAM and AFI regions to facilitate through a collaboration mechanism the establishment on the SITA Gateway to support ADS-C & CPDLC data link as needed.	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To have a cost benefit analysis that justify such implementation</b>	
<b>When: CNMC/9</b>	<b>Status: Still Valid</b>
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

#### 3.2 Revue of the performance of SAT CNS Infrastructure and systems

<b>Decision 23/09: Adoption of the matrix for the reporting on the performance of CNS Infrastructure and Systems</b>
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<b>That;</b> a) The matrix for the reporting on the performance of SAT CNS Infrastructure and Systems is adopted as attached at <b>Appendix I</b> and; b) SAT Members to report <b>quarterly</b> to GCAA, on their CNS Infrastructure and Systems performance with the first report made available on <b>31 October 2018 for the 3<sup>rd</sup> Quarter of year 2018.</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why:</b> To monitoring the performance of CNS infrastructure.	
<b>c) When:</b> <b>31 October 2018 for the 3<sup>rd</sup> Quarter of year 2018.</b>	<b>Status:</b> <b>Still valid GCAA to update</b>
<b>Who:</b> <input checked="" type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

<b>Conclusion 23/10: Cyber Safety and Resilience of SAT CNS Infrastructure and Systems</b>	
<b>That;</b> a) The Joint Technical Teams (JTT) for the VSAT Networks re-engineering include in its work agenda, items on the insurance of Cyber Safety and Resilience of SAT CNS Infrastructure and Systems; b) In this regard the JTTs will assess and identify Cyber risks and mitigation actions, prioritize and plan these actions for the short and medium term in alignment with the regional projects in the matter initiated by the PIRGs.	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why:</b> To asses and identify Cyber risk	
<b>When:</b> CNMC/9	<b>Status:</b> <b>Still Valid</b>
<b>Who:</b> <input checked="" type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

### 3.3 Improvement of CNS system in the SAT Region (AMHS, AIDC, ADS-B)

<b>Conclusion 23/11 Interconnection of AMHS system</b>	
<b>That;</b> 1. SAT concerned members develop/update and implement the interconnection of the existing AMHS systems by <b>31 12 2018:</b> a) <b>Brazzaville/ Luanda</b> b) <b>Casablanca/Nouakchott</b> c) <b>Dakar/Recife (Brasilia)</b> d) <b>Luanda/Lisbon</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational

<b>2. The Dakar/Sal AMHS link be implemented by 31 12 2019, the Accra/Luanda and Accra/ Niamey links be implemented by 31 12 2018.</b>	
<b>Why: To migrate from AFTN to AMHS and support new ATM application</b>	
<b>When: 1) 31/12/2018 2) 31/12/2019</b>	<b>Status: Partially implemented</b> a) Casablanca/Nouakchott b) Dakar/Recife (Brasilia)
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

### Conclusion 23/12: Implementation of AIDC between SAT ATCs

<b>That;</b> <b>Concerned SAT ACCs pursue their collaboration in order to overcome the technical barriers (Incompliance of Interfaces, Loss of Flight Plans, Human Factor...) for the effective implementation of the following AIDC circuits:</b>  a)     Abidjan /Accra by 31 12 2018 b)     Dakar/Atlántico by 31 12 2019 c)     Ezeiza Johannesburg by 31 12 2019 d)     Luanda/Johannesburg by 31 12 2020	<b>Expected impact:</b> <input type="checkbox"/> Polítical / Global <input checked="" type="checkbox"/> Inter-regional <input checked="" type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To improve ATM operation</b>	
<b>When: 2018-2020</b>	<b>Status: Partially implemented</b> a)     Abidjan /Accra b)     Dakar/Atlántico (trials)
<b>Who:</b> <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

### Decision 23/13: Coordination of the implementation of AMHS and AIDC

<b>That;</b> <b>In order to facilitate coordination, the Secretariat develop and circulate no later than 31 12 2018, follow up tables on the planning and implementation of AMHS and AIDC to be filled up by members by end of the first quarter of year 2019.</b>		<b>Expected impact:</b> <input type="checkbox"/> Polítical / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
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<b>Why: To facilitate AMHS and AIDC implementation</b>	
<b>When: 31/12/2018</b>	<b>Status: Valid</b> <b>Table developed (Appendix K to SAT 23 report)</b> <b>Implementation status to be updated</b>
<b>Who: <input type="checkbox"/> Coordinators <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Others: ANSPs</b>	

<b>Conclusion 23/14: Development of Terms of Reference for the investigation on RCP and RSP</b>	
<b>That;</b> <b>The joint Technical team expand its work program to include the development of Terms of Reference for the investigation into the current systems to establish performance baseline (Transaction time, Continuity, Availability and Integrity) in preparation of the implementation and operation of RCP and RSP.</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: to establish performance baseline (Transaction time, Continuity, Availability and Integrity) for RCP and RSP</b>	
<b>When: CNMC/9</b>	<b>Status: <b>Still Valid</b></b>
<b>Who: <input checked="" type="checkbox"/> Coordinators <input type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input type="checkbox"/> Others: ANSPs</b>	

**Agenda Item 4:**      *Communications, navigation and surveillance / Air traffic management (CNS/ATM) Systems*

**4.1 Harmonization of ADS/CPDLC programmes**

**4.1.1 Review of the conclusions/decisions of the eleventh meeting of the SAT FANS 1/A Interoperability Team (SAT/FIT/11).**

<b>Decision 23/15: Adoption of the Conclusions/Decisions of the SAT FANS 1/A Interoperability Team (SAT/FIT/13)</b>	
<b>That;</b> <b>The Conclusions/Decisions of the SAT FANS 1/A Interoperability Team (SAT/FIT/13) are adopted as attached in <b>Appendix N</b></b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: Adoption of conclusions of SAT/FIT/13</b>	
<b>When: SAT/23</b>	<b>Status: Valid</b>
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

**4.2 Review of the conclusions/decisions of CNMC/8 meeting**

<b>Decision 23/16: Adoption of the Conclusions/Decisions of the 8<sup>th</sup> meeting of the CAFSAT Network Management Committee (CNMC/8)</b>	
<b>That;</b> <b>The Conclusions/Decisions of the 8<sup>th</sup> meeting of the CAFSAT Network Management Committee (CNMC/8) are adopted as attached in <b>Appendix O</b>.</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: Adoption of conclusions of CNMC/8</b>	
<b>When: SAT/23</b>	<b>Status: Valid</b>
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

### 4.3 Space-based ADS-B

#### 4.3.1 Space-based ADS-B

#### 4.3.2 GADSS Aircraft Tracking Requirements

<b>Conclusion 23/17: Surveillance capability meeting GADSS requirements</b>	
<b>That;</b> <b>a) States to provide information to applicable ICAO regional office where actual surveillance capability does not meet the GADSS requirements in their area of responsibility together with a timeline for promulgation of regulatory requirements for airlines to submit requests for variations and exemptions; and,</b> <b>b) Given the new GADSS “Aircraft Tracking Requirements” are prescribed globally, ICAO ensure that other ICAO regions affected take similar action to the a) above, consolidate the information to make it available to all Operators and States alike and conduct awareness on the effective implementation of the GADSS.</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: GADSS requirements</b>	
<b>When: Before the end of 2018</b>	<b>Status: Valid</b>
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

**Agenda Item 5: New structure, Working methodology, Terms of Reference and Future work programme of the SAT Group (Plenary session)**

<b>Decision 23/18: Coordination between SAT Group and the PIRGs concerned</b>
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<b>That:</b> The SAT requests that the ICAO Secretariat communicate all activities of the SAT Group through regular reports to all involved PIRG meetings	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To improve coordination between SAT Group and PIRGs</b>	
<b>When: Before the end of 2018</b>	<b>Status: Still valid</b> <b>Reporting status to be updated</b>
<b>Who:</b> <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

<b>Decision 23/19: Improvement of coordination and cooperation with adjacent PIRGs</b>	
<b>That:</b> The SAT supports the improvement of coordination and cooperation with the adjacent PIRGs, especially with the NATSPG	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To improve coordination between SAT Group and PIRGs</b>	
<b>When: SAT/23</b>	<b>Status: Valid</b>
<b>Who:</b> <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

<b>Decision 23/20: Preparation for the convening of the Atlantic Coordination meeting</b>	
<b>That:</b> The SAT invites the ICAO Secretariat (WACAF Office with support from the other involved ROs) to prepare the convening and to develop the necessary working arrangements for a Atlantic Coordination meeting before the end of 2018.	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational
<b>Why: To improve coordination between SAT Group and PIRGs</b>	
<b>When: Before the end of 2018</b>	<b>Status: Meeting held</b>
<b>Who:</b> <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs	

<b>Decision 23/21: Terms of Reference and Future work programme</b>	
<b>That;</b> The Terms of Reference and Future work programme of the SAT ATM Working Group (ATM/WG), SAT Study Group on the Improvement of the Airspace Structure in the EUR/SAM Corridor (IAS/SG), SAT CNS Working Group (CNS/WG) are adopted as attached at <b>Appendix P</b>	<b>Expected impact:</b> <input type="checkbox"/> Political / Global <input checked="" type="checkbox"/> Inter-regional <input type="checkbox"/> Economic <input type="checkbox"/> Environmental <input checked="" type="checkbox"/> Technical/Operational

<b>Why: Update terms of reference and work program of SAT</b>	
<b>When: SAT/23</b>	<b>Status: Valid</b>
<b>Who: <input type="checkbox"/> Coordinators <input checked="" type="checkbox"/> States <input checked="" type="checkbox"/> ICAO Secretariat <input type="checkbox"/> ICAO HQ <input checked="" type="checkbox"/> Others: ANSPs</b>	

**Agenda Item 6:** *Adoption of the Conclusions/Decisions of the SAT/23 meeting (Plenary session)*

**Agenda Item 7:** *Any other business*

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