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**ATM/AIM/SAR Deficiencies List (Updated 03 August 2018)**

| States/facilities | Deficiencies                                              |                     |                                                              | Corrective Action |             |             |
|-------------------|-----------------------------------------------------------|---------------------|--------------------------------------------------------------|-------------------|-------------|-------------|
|                   | Description                                               | Date first reported | Remarks                                                      | Executing body    | Target date | Priority ** |
|                   | <b>WGS-84 Requirements of Paragraph 3.7.1 of Annex 15</b> |                     |                                                              |                   |             |             |
| Afghanistan       | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Afghanistan       | TBD         | A           |
| Bangladesh        | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Bangladesh        | TBD         | A           |
| Bhutan            | WGS-84 - Not implemented                                  | 2/7/1999            | Data conversion completed, but not published                 | Bhutan            | TBD         | A           |
| Brunei Darussalam | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Brunei Darussalam | TBD         | A           |
| Cook Islands      | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Cook Islands      | TBD         | A           |
| Marshall Islands  | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Marshall Islands  | TBD         | A           |
| Micronesia        | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Micronesia        | TBD         | A           |
| Nauru             | WGS-84 - Not implemented                                  |                     | Conferring with consultant                                   | Nauru             | TBD         | A           |
| Palau             | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Palau             | TBD         | A           |
| Samoa             | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Samoa             | TBD         | A           |
| Thailand          | WGS-84 - Not implemented                                  | 24/6/2014           |                                                              | Thailand          | TBD         | A           |
| Vanuatu           | WGS-84 – Not implemented                                  | 2/7/1999            | Implemented at main airports                                 | Vanuatu           | 1999        | A           |
|                   | <b>AIP Format Requirements of Chapter 4 of Annex 15</b>   |                     |                                                              |                   |             |             |
| Kiribati          | AIP Format - Not implemented                              | 7/7/99              | ATM/AIS/SAR/SG/18 (June 2009) was advised AIP in draft stage | Kiribati          |             | A           |
| Nauru             | AIP Format - Not implemented                              | 7/7/99              | ATM/AIS/SAR/SG/18 (June 2008) was advised work soon to start | Nauru             |             | A           |

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| States/facilities | Deficiencies                                                                                                                        |                     |         | Corrective Action |             |             |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------|-------------------|-------------|-------------|
|                   | Description                                                                                                                         | Date first reported | Remarks | Executing body    | Target date | Priority ** |
|                   | <b><u>AIS Quality Management System Requirements of Paragraph 3.2.1 of Annex 15 Quality Management System - Not implemented</u></b> |                     |         |                   |             |             |
| Afghanistan       | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Afghanistan       | TBD         | A           |
| Bangladesh        | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Bangladesh        | TBD         | A           |
| Bhutan            | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Bhutan            | TBD         | A           |
| Brunei Darussalam | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Brunei Darussalam | TBD         | A           |
| Cambodia          | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Cambodia          | TBD         | A           |
| Cook Islands      | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Cook Islands      | TBD         | A           |
| Indonesia         | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Indonesia         | TBD         | A           |
| Kiribati          | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Kiribati          | TBD         | A           |
| Lao PDR           | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Lao PDR           | TBD         | A           |
| Maldives          | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Maldives          | TBD         | A           |
| Marshall Islands  | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Marshall Islands  | TBD         | A           |
| Micronesia        | AIS Quality Management System - Not implemented                                                                                     | 24/6/2014           |         | Micronesia        | TBD         | A           |

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| States/facilities | Deficiencies                                                                    |                     |         | Corrective Action |             |             |
|-------------------|---------------------------------------------------------------------------------|---------------------|---------|-------------------|-------------|-------------|
|                   | Description                                                                     | Date first reported | Remarks | Executing body    | Target date | Priority ** |
| Myanmar           | AIS Quality Management System - Not implemented                                 | 9/6/2016            |         | Myanmar           | TBD         | A           |
| Nauru             | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Nauru             | TBD         | A           |
| Nepal             | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Nepal             | TBD         | A           |
| Palau             | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Palau             | TBD         | A           |
| Philippines       | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Philippines       | TBD         | A           |
| Samoa             | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Samoa             | TBD         | A           |
| Solomon Islands   | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Solomon Islands   | TBD         | A           |
| Sri Lanka         | AIS Quality Management System - Not implemented                                 | 9/6/2016            |         | Sri Lanka         | TBD         | A           |
| Thailand          | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Thailand          | TBD         | A           |
| Timor-Leste       | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Timor-Leste       | TBD         | A           |
| Vanuatu           | AIS Quality Management System - Not implemented                                 | 24/6/2014           |         | Vanuatu           | TBD         | A           |
|                   | <b><u>Airspace Classification</u> Requirements of Paragraph 2.6 of Annex 11</b> |                     |         |                   |             |             |

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| States/facilities       | Deficiencies                                                                                                       |                     |                                                                                              | Corrective Action |                                                          |             |
|-------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------|-------------------|----------------------------------------------------------|-------------|
|                         | Description                                                                                                        | Date first reported | Remarks                                                                                      | Executing body    | Target date                                              | Priority ** |
| China                   | Airspace Classification - Not implemented                                                                          | 7/7/99              | Difference to Annex 11 is published in AIP, China.                                           | China             | APANPIRG/19 updated, implementation planned by end 2010. | A           |
| Macau, China (proposed) | Airspace Classification - Not implemented                                                                          | 05/09/2018          |                                                                                              | Macau, China      | TBD                                                      | A           |
| Nauru                   | Airspace Classification - Not implemented                                                                          | 7/7/99              |                                                                                              | Nauru             | TBD                                                      | A           |
| Solomon Islands         | Airspace Classification - Not implemented                                                                          | 7/7/99              |                                                                                              | Solomon Islands   | TBD                                                      | A           |
|                         | <b>ATS Message Addressing Requirements of Doc 4444 PANS-ATM Section 11.4 (Message Types and their Application)</b> |                     |                                                                                              |                   |                                                          |             |
| Bangladesh (Proposed)   | DEP message transmission                                                                                           | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | Bangladesh        | TBD                                                      | A           |
| India                   | DEP message transmission                                                                                           | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | India             | TBD                                                      | A           |
| Indonesia               | DEP message transmission                                                                                           | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | India             | TBD                                                      | A           |

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| States/facilities | Deficiencies                                           |                     |                                                                                              | Corrective Action |             |             |
|-------------------|--------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------|-------------------|-------------|-------------|
|                   | Description                                            | Date first reported | Remarks                                                                                      | Executing body    | Target date | Priority ** |
| Malaysia          | DEP message transmission                               | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | Malaysia          | TBD         | A           |
| Myanmar           | DEP message transmission                               | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | Myanmar           | TBD         | A           |
| Philippines       | DEP message transmission                               | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | Philippines       | TBD         | A           |
| Republic of Korea | DEP message transmission                               | 05/09/2018          | DEP messages inconsistently transmitted Conclusion APANPIRG/27/12 and ICAO correspondence    | Republic of Korea | TBD         | A           |
| USA               | DEP message transmission                               | 05/09/2018          | DEP messages inconsistently transmitted<br>Conclusion APANPIRG/27/12 and ICAO correspondence | USA               | TBD         | A           |
|                   | <b><u>SAR capability: Requirements of Annex 12</u></b> |                     |                                                                                              |                   |             |             |
| Afghanistan       | SAR Capability Matrix                                  | 6/07/2015           | SAR Capability (no data)                                                                     | Afghanistan       | 2016        | U           |
| Bhutan            | SAR Capability Matrix                                  | 6/07/2015           | SAR Capability (no data)                                                                     | Bhutan            | 2016        | U           |
| Cambodia          | SAR Capability Matrix                                  | 6/07/2015           | SAR Capability (14 of 20)                                                                    | Cambodia          | 2016        | U           |

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| States/facilities | Deficiencies                                                                  |                     |                                                                                                                                                                            | Corrective Action |                                                      |             |
|-------------------|-------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------|-------------|
|                   | Description                                                                   | Date first reported | Remarks                                                                                                                                                                    | Executing body    | Target date                                          | Priority ** |
| Cook Islands      | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (19 of 20)                                                                                                                                                  | Cook Islands      | 2016                                                 | U           |
| Cook Islands      | Annex 12 requirements not implemented.<br>No agreements with adjacent States. | 31/1/95             | Cook Islands - implement Annex 12 requirements and co-ordinate LOA with adjacent States<br>ICAO - assist to develop SAR capability and to co-ordinate with adjacent States | Cook Islands      | 2009. SAR agreement with New Zealand completed 2007. | U           |
| DPR Korea         | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (15 of 20 elements non- compliant)                                                                                                                          | DPR Korea         | 2016                                                 | U           |
| Fiji              | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (13 of 20 elements non- compliant)                                                                                                                          | Fiji              | 2016                                                 | U           |
| Kiribati          | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (no data)                                                                                                                                                   | Kiribati          | 2016                                                 | U           |
| Lao PDR           | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (10 of 20 elements non- compliant)                                                                                                                          | Lao PDR           | 2016                                                 | U           |
| Macau, China      | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (10 of 20 elements non- compliant)                                                                                                                          | Macau, China      | 2016                                                 | U           |
| Maldives          | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (9 of 20 elements non- compliant)                                                                                                                           | Maldives          | 2016                                                 | U           |
| Marshall Islands  | SAR Capability Matrix                                                         | 6/07/2015           | SAR Capability (no data elements non- compliant)                                                                                                                           | Marshall Islands  | 2016                                                 | U           |

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| States/facilities | Deficiencies          |                     |                                                   | Corrective Action |             |             |
|-------------------|-----------------------|---------------------|---------------------------------------------------|-------------------|-------------|-------------|
|                   | Description           | Date first reported | Remarks                                           | Executing body    | Target date | Priority ** |
| Micronesia        | SAR Capability Matrix | 6/07/2015           | SAR Capability (20 of 20 elements non- compliant) | Micronesia        | 2016        | U           |
| Myanmar           | SAR Capability Matrix | 6/07/2015           | SAR Capability (17 of 20 elements non- compliant) | Myanmar           | 2016        | U           |
| Nauru             | SAR Capability Matrix | 6/07/2015           | SAR Capability (no data elements non- compliant)  | Nauru             | 2016        | U           |
| Nepal             | SAR Capability Matrix | 6/07/2015           | SAR Capability (12 of 20 elements non- compliant) | Nepal             | 2016        | U           |
| Palau             | SAR Capability Matrix | 6/07/2015           | SAR Capability (no data)                          | Palau             | 2016        | U           |
| Papua New Guinea  | SAR Capability Matrix | 6/07/2015           | SAR Capability (11 of 20 elements non- compliant) | Papua New Guinea  | 2016        | U           |
| Philippines       | SAR Capability Matrix | 6/07/2015           | SAR Capability (12 of 20 elements non- compliant) | Philippines       | 2016        | U           |
| Samoa             | SAR Capability Matrix | 6/07/2015           | SAR Capability (no data elements non- compliant)  | Samoa             | 2016        | U           |
| Solomon Islands   | SAR Capability Matrix | 6/07/2015           | SAR Capability (no data)                          | Solomon Islands   | 2016        | U           |
| Timor-Leste       | SAR Capability Matrix | 6/07/2015           | SAR Capability (no data)                          | Timor-Leste       | 2016        | U           |

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| States/facilities                           | Deficiencies                                                                                                                                                           |                     |                                                                                                                                                                                                                   | Corrective Action |             |             |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|-------------|
|                                             | Description                                                                                                                                                            | Date first reported | Remarks                                                                                                                                                                                                           | Executing body    | Target date | Priority ** |
| Tonga                                       | SAR Capability Matrix                                                                                                                                                  | 6/07/2015           | SAR Capability (18 of 20 elements non- compliant)                                                                                                                                                                 | Tonga             | 2016        | U           |
| Vanuatu                                     | SAR Capability Matrix                                                                                                                                                  | 6/07/2015           | SAR Capability (no data)                                                                                                                                                                                          | Vanuatu           | 2016        | U           |
|                                             | <b>Non Provision of Safety-related Data Requirement of Paragraph 3.3.5.1 of Annex 11 (provision of data for monitoring the height-keeping performance of aircraft)</b> |                     |                                                                                                                                                                                                                   |                   |             |             |
| Bangladesh<br>(proposed by RASMAG/23)       | Annex 11 requirement not implemented                                                                                                                                   | 13/07/2017          | Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/22<br>Failure to submit 2016 TSD<br>Failure to provide sufficient feedback regarding RVSM approval data                   | Bangladesh        | RASMAG23    | A           |
| French Polynesia<br>(proposed by RASMAG/23) | Annex 11 requirement not implemented                                                                                                                                   | 05/07/2018          | Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/22<br>Failure to provide sufficient feedback regarding RVSM approval data                                                 | French Polynesia  | RASMAG23    | A           |
| India                                       | Annex 11 requirement not implemented.                                                                                                                                  | 13/07/2017          | Established by RASMAG/20 – failure to provide RVSM approvals summary data<br>Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/22<br>Failure to provide sufficient feedback | India             |             | U           |

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| States/facilities                 | Deficiencies                                                                                                                                          |                     |                                                                                                                                                                                               | Corrective Action |             |             |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------|-------------|
|                                   | Description                                                                                                                                           | Date first reported | Remarks                                                                                                                                                                                       | Executing body    | Target date | Priority ** |
| Lao PDR (proposed for RASMAG/23)  | Annex 11 requirement not implemented                                                                                                                  | 13/07/2017          | Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/22<br>Failure to submit 2016 TSD<br>Failure to provide RVSM approvals update and RVSM annual snapshot | Lao PDR           | RASMAG23    | A           |
| Maldives (proposed for RASMAG/23) | Annex 11 requirement not implemented                                                                                                                  | 13/07/2017          | Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/22<br>Failure to submit LHD reports and 2016 TSD                                                      | Maldives          | RASMAG23    | A           |
| Nepal (proposed for RASMAG/23)    | Annex 11 requirement not implemented                                                                                                                  | 05/07/2018          | Conclusion 16/6 – Non Provision of safety related data by States, established by RASMAG/23                                                                                                    | Nepal             | TBD         | A           |
|                                   | <b>State Responsibility to comply with the Annex 6 Height-Keeping Monitoring Requirement Annex 6 Part I Section 7.2.7 and Part II Section 2.5.2.7</b> |                     |                                                                                                                                                                                               |                   |             |             |
| Bangladesh (2017 44%)             | Requirements of Annex 6 paragraph 7.2.7 regarding the monitoring burden of more than 50% airframes to be monitored                                    | RASMAG/22           | Bangladesh was also identified for a deficiency at RASMAG/20                                                                                                                                  | Bangladesh        | RASMAG23    | A           |
| Indonesia (2017 42%)              | Requirements of Annex 6 paragraph 7.2.7 regarding the monitoring burden of more than 50% airframes to be monitored                                    | RASMAG/22           |                                                                                                                                                                                               | Indonesia         | RASMAG23    | A           |
| Pakistan (2017 69%)               | Requirements of Annex 6 paragraph 7.2.7 regarding the monitoring burden of more than 50% airframes to be monitored                                    | RASMAG/22           |                                                                                                                                                                                               | Pakistan          | RASMAG23    | A           |
|                                   | <b>Data Link Performance Monitoring and Analysis Requirements of</b>                                                                                  |                     |                                                                                                                                                                                               |                   |             |             |

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| States/facilities                  | Deficiencies                                             |                     |                                                                                                                                                                                                                                                      | Corrective Action |                                                                                                            |             |
|------------------------------------|----------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------------------------------------------------------------------------|-------------|
|                                    | Description                                              | Date first reported | Remarks                                                                                                                                                                                                                                              | Executing body    | Target date                                                                                                | Priority ** |
|                                    | <b>Paragraph 2.28 and/or 3.3.5.2 of Annex 11 not met</b> |                     |                                                                                                                                                                                                                                                      |                   |                                                                                                            |             |
| Fiji (proposed for RASMAG/23)      | Post-implementation monitoring not implemented           | 25/06/2018          | Problem reports not provided to CRA. Performance monitoring and analysis not reported to FIT                                                                                                                                                         | Fiji              | TBD                                                                                                        | A           |
| India                              | Post-implementation monitoring not implemented           | 13/07/2017          | Performance monitoring and analysis was reported for the Chennai FIR, but was not reported for the Kolkata and Mumbai FIRs.                                                                                                                          | India             | TBD                                                                                                        | A           |
| Indonesia (proposed for RASMAG/23) | Post-implementation monitoring not implemented           | 29/5/2015           | Problem Reports not provided to CRA. Performance monitoring and analysis was conducted, but problem reports were not provided to the CRA.                                                                                                            | Indonesia         | TBD                                                                                                        | A           |
| Malaysia (proposed by RASMAG/23)   | Post-implementation monitoring not implemented           | 29/5/2015           | Problem Reports not provided to CRA. Performance monitoring and analysis not reported to FIT.                                                                                                                                                        | Malaysia          | TBD                                                                                                        | A           |
| Myanmar (proposed by RASMAG/23)    | Post-implementation monitoring not implemented           | 29/5/2015           | Problem Reports not provided to CRA. Performance monitoring and analysis not reported to FIT.                                                                                                                                                        | Myanmar           | TBD                                                                                                        | A           |
| Maldives                           | Post-implementation monitoring not implemented           | 29/5/2015           | Problem Reports not provided to CRA. Performance monitoring and analysis not reported to FIT.                                                                                                                                                        | Maldives          | TBD                                                                                                        | A           |
| Sri Lanka (proposed by RASMAG/23)  | Post-implementation monitoring not implemented           | 29/5/2015           | Problem Reports not provided to CRA.. Problem reports were not provided to CRA, performance monitoring and analysis was not reported to FIT, but Sri Lanka was now registered with a competent CRA. Agreed by FIT Asia/5-6, endorsed by RASMAG/21-22 | Sri Lanka         | Post Implementation Monitoring partially implemented. Data Link Reporting based on the SITA AIRCOM ATS 622 | A           |

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| States/facilities                | Deficiencies                                   |                     |                                                          | Corrective Action |                                                                                                                                                                                                             |             |
|----------------------------------|------------------------------------------------|---------------------|----------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
|                                  | Description                                    | Date first reported | Remarks                                                  | Executing body    | Target date                                                                                                                                                                                                 | Priority ** |
|                                  |                                                |                     |                                                          |                   | Traffic & Performance Report will be submitted on monthly basis from Sept 2017 onward. Data Link Performance Reports will be submitted to FIT with effect from Feb 2018. (Target date)<br><br>(APANPIRG/28) |             |
| Viet Nam (proposed by RASMAG/23) | Post implementation monitoring not implemented | 29/5/2015           | Performance monitoring and analysis not reported to FIT. | Viet Nam          | TBD                                                                                                                                                                                                         | A           |

\*\* Note: In accordance with the *APANPIRG Handbook - Asia/Pacific Supplement to the Uniform Methodology for the Identification, Assessment and Reporting of Air Navigation Deficiencies*, priority for Air Navigation Deficiencies is guided by the principle that a deficiency with respect to an ICAO Standard is accorded a “U” status, while a non-compliance with a Recommended Practice or a PANS is considered as “A” or “B” subject to additional expert evaluation. The final prioritization of deficiencies is the prerogative of APANPIRG.