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|-----------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------------------------|------------------------|--|
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|                                                                                   | <b>NASCOM WORKING PAPER / INFORMATION PAPER*</b> |                                                                            |                                                           |                        |  |

APPENDIX B\*

## NATIONAL AIRSPACE COMMITTEE (NASCOM)

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                   |
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| <b>Agenda Item</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reviewed NAMP 4 <sup>th</sup> Edition Draft                                                                                                                                                                                                                                                                       |
| <b>Proposer</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | ATNS on behalf of DoT.                                                                                                                                                                                                                                                                                            |
| <b>SUMMARY</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                                                   |
| <b>Brief outline and background of content including:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                                                   |
| • Interest of Proposer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | ATNS was incorporated in 1993 in terms of the ATNS Company Act, Act 45 of 1993. The Act mandates ATNS to provide Air Traffic Management Solutions and associated services on behalf of the State following ICAO Standards, recommended practice as well as the South African Regulations and Technical Standards. |
| • Status quo                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | The NAMP 3 <sup>rd</sup> Edition is obsolete.                                                                                                                                                                                                                                                                     |
| • Recommendation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Endorse the distribution of the draft 4 <sup>th</sup> Edition NAMP for industry review and input.                                                                                                                                                                                                                 |
| <b>1 INTRODUCTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                   |
| 1.1 This working paper provides a high-level overview of the review of the South African National Airspace Master Plan (NAMP) and outlines the approach adopted for its development. The review is informed by ICAO global and regional strategic planning documents and the embedded building-block framework.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                   |
| 1.2 The NAMP is a living strategic document that establishes a structured, performance-based framework to guide the evolution of Air Traffic Management and Communication, Navigation and Surveillance (ATM/CNS) systems, associated technologies, and infrastructure development. It is aligned with the ICAO Global Air Navigation Plan (GANP), the Aviation System Block Upgrades (ASBU) framework, and the AFI Regional Air Navigation Plan and ATM Master Plan, ensuring a coordinated and interoperable approach to air navigation system advancement.                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                                   |
| 1.3 The National Airspace Master Plan (NAMP) will provide strategic direction over the planning horizon to support the delivery of safe, efficient, sustainable, and secure airspace system. Achieving sustainable growth within the South African air transport system depends on a high-performing, globally interoperable air navigation system that is performance-driven, technologically advanced, and responsive to the evolving needs of airspace users and stakeholders.                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                   |
| <b>2 DISCUSSION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                   |
| 2.1 The National Airspace Master Plan (NAMP) is the primary long-term strategic reference document for national ATM/cns planning, technology and infrastructure investment. The Plan was reviewed in response to the rapid pace of technological advancement in Air Traffic Management and evolving global and regional strategic planning initiatives. Key drivers include the adoption of satellite-based technologies and GNSS-enabled Performance-Based Navigation (PBN), datalink and satellite communication systems, System Wide Information Management (SWIM), the integration of Unmanned Aircraft Systems (UAS) and Advanced Air Mobility (AAM), as well as emerging sustainability strategies and environmental objectives. These developments have been considered within the context of post-COVID-19 air traffic recovery and the future growth of the aviation sector. |                                                                                                                                                                                                                                                                                                                   |
| 2.2 The NAMP is informed by a hierarchy of international and regional strategic planning documents. At the global level, the ICAO Global Air Navigation Plan (GANP – Doc 9750) provides the Aviation System Block Upgrades (ASBU) implementation framework; the Global Air Traffic Management Operational Concept (GATMOC – Doc 9854) defines the seven ATM concept components that underpin the structure of the NAMP; and the Manual on Global Performance of the Air Navigation System (Doc 9883) establishes the performance-based approach and key performance indicator (KPI) framework used to measure implementation progress. At the regional level, the AFI Regional Air Navigation Plan and associated ATM planning initiatives ensure that South African priorities remain aligned with broader Africa–Indian Ocean regional objectives and commitments.                  |                                                                                                                                                                                                                                                                                                                   |
| 2.3 The NAMP review also considered air traffic growth trends and forecasts, particularly at the national and regional levels, changes in air traffic patterns and air transport demand, including the results of formal performance monitoring of ATM systems and infrastructure implementation. The NAMP serves as the foundation for the development of national and industry implementation roadmaps, guiding the deployment of ATM initiatives, technologies, and supporting infrastructure in a coordinated and performance-based manner.                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                   |

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| <p><b>2.4</b> The NAMP will provide the strategic framework for the development of industry implementation roadmaps across the short-, medium-, and long-term planning horizons. In the short to medium term, it will support the coordinated implementation and maturation of Aviation System Block Upgrades (ASBUs). Over the longer term, it will enable the transition to a fully digital, interconnected, and secure ATM ecosystem, incorporating advanced Unmanned Aircraft Systems (UAS), Advanced Air Mobility (AAM) operations, and enhanced environmental sustainability initiatives. This approach will support the continued delivery of safe, efficient, and sustainable air navigation services while contributing to the achievement of the ICAO 2050 Net-Zero aspirational goal.</p> |                                     |                     |
| <p><b>2.5</b> It is recommended that the draft NAMP 4th Edition be distributed to industry stakeholders for consultation, review, and input. This process will support the incorporation of stakeholder feedback, facilitate the final consolidation of the document, and enable the completion of the requisite approval processes.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                     |                     |
| <p><b>3 ACTIONS PROPOSED</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                     |                     |
| <p><b>3.1</b> The meeting is invited to note, the status of the NAMP review, the draft 4th Edition, and the strategic basis upon which it has been developed, including the relevant international, regional, and national planning frameworks. The NAMP is intended to serve as the principal strategic reference for ATM/cns, Technology, and Infrastructure planning and investment over the 2026–2050 outlook period.</p>                                                                                                                                                                                                                                                                                                                                                                        |                                     |                     |
| <p><b>3.2</b> The meeting is invited to endorse the proposed distribution of the reviewed NAMP 4th Edition draft for industry and stakeholder consultation. This process will facilitate the solicitation of stakeholder input, support the final consolidation of the document, and enable the completion of the requisite approval processes.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                     |                     |
| <p><b>4. CONCLUSION</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                     |                     |
| <p><b>4.1</b> The NAMP 2026–2050 must be developed through a rigorous, inclusive, and collaborative process founded on the ICAO performance-based planning hierarchy. It integrates the strategic direction and implementation frameworks contained in key ICAO documents, including the Global Air Navigation Plan (Doc 9750), the Global Air Traffic Management Operational Concept (Doc 9854), and the Manual on Global Performance of the Air Navigation System (Doc 9883), together with the AFI Regional Air Navigation Plan. The NAMP consolidates these international and regional obligations into a single, coherent strategic reference document for the South African ATM community, industry stakeholders, and other interested parties.</p>                                            |                                     |                     |
| <p><b>4.2</b> As a living strategic document, the NAMP will be kept current through regular reviews aligned with ICAO Global and Regional planning and review cycles. NASCOM's continued engagement is essential to ensuring that stakeholder expectations remain embedded in national technology and infrastructure planning priorities and that the NAMP continues to support the development of industry roadmaps aligned with the evolving requirements and expectations of airspace users</p>                                                                                                                                                                                                                                                                                                   |                                     |                     |
| <p><i>*Delete which is not applicable</i></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                     |                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <p>ZWELINZIMA CIRA</p>              | <p>10 JULY 2026</p> |
| <p><b>SIGNATURE OF<br/>CHAIRPERSON/ SECRETARY<br/>NASCOM</b></p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | <p><b>NAME IN BLOCK LETTERS</b></p> | <p><b>DATE</b></p>  |