

Agenda Item 4b)  
**APAC Needs Survey**

RCM TF / 11

26 July 2023

# Submission has been received from the following States / Administrations

*As of 23 Jul 2023*

<b>South Asia</b>	<b>North Asia</b>	<b>South East Asia</b>	<b>Oceania</b>
Bangladesh	China	Cambodia	Australia
Bhutan	Hong Kong	Indonesia	Cook Islands
Maldives	Japan	Malaysia	Fiji
Nepal	Macao	Philippines	New Zealand
Pakistan	Mongolia	Singapore	Papua New Guinea
Sri Lanka	Republic of Korea	Thailand	Samoa
		Timor Leste	
		Vietnam	
<b><u>6 / 8</u></b>	<b><u>6 / 7</u></b>	<b><u>8 / 11</u></b>	<b><u>6 / 15</u></b>
<b><u>Total: 26 / 41</u></b>			

a) Identify up to three needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Ref.	Common areas of needs	Select up to three aviation safety needs and rank them accordingly
A1	CE 1 – Primary Aviation Legislation	
A2	CE 2 – Specific Operation Regulations	1
A3	CE 3 – State/Administration Civil Aviation System and Safety Oversight Functions	
A4	CE 4 – Technical Personnel Qualification and Training	
A5	CE 5 – Technical Guidance, <u>Tools</u> and the Provision of Safety-critical Information, such as IT systems to assist in safety oversight and obtaining of approvals, etc.	
A6	CE 6 – Licensing, Certification, <u>Authorization</u> and approval obligations	
A7	CE 7 – Surveillance Obligations	
A8	CE 8 – Resolution of Safety Issues	
A9	Implementation of an effective State Safety Programme (SSP)	2
A10	Certification of all aerodromes used for international operations	
A11	Inclusion of aviation safety in National Development Plans and Civil Aviation Master Plans, and establishment of National Aviation Safety Plan	
A12	Identification/mitigation of safety risks arising from COVID-19 and the increase in intensity of operations to support air travel recovery, such as prolonged storage of aircraft, degradation of personnel proficiency, manpower shortage and degraded focus on safety management by <u>organisations</u>	3
A13	Fostering a strong and positive safety culture in the aviation sector	
A14	Others, please specify: <b>Regional data-sharing initiatives</b>	

- The subsequent slides show the top responses for each section of the survey, regardless of rank.
- This is done by counting the frequency of a particular need being selected as a survey response.

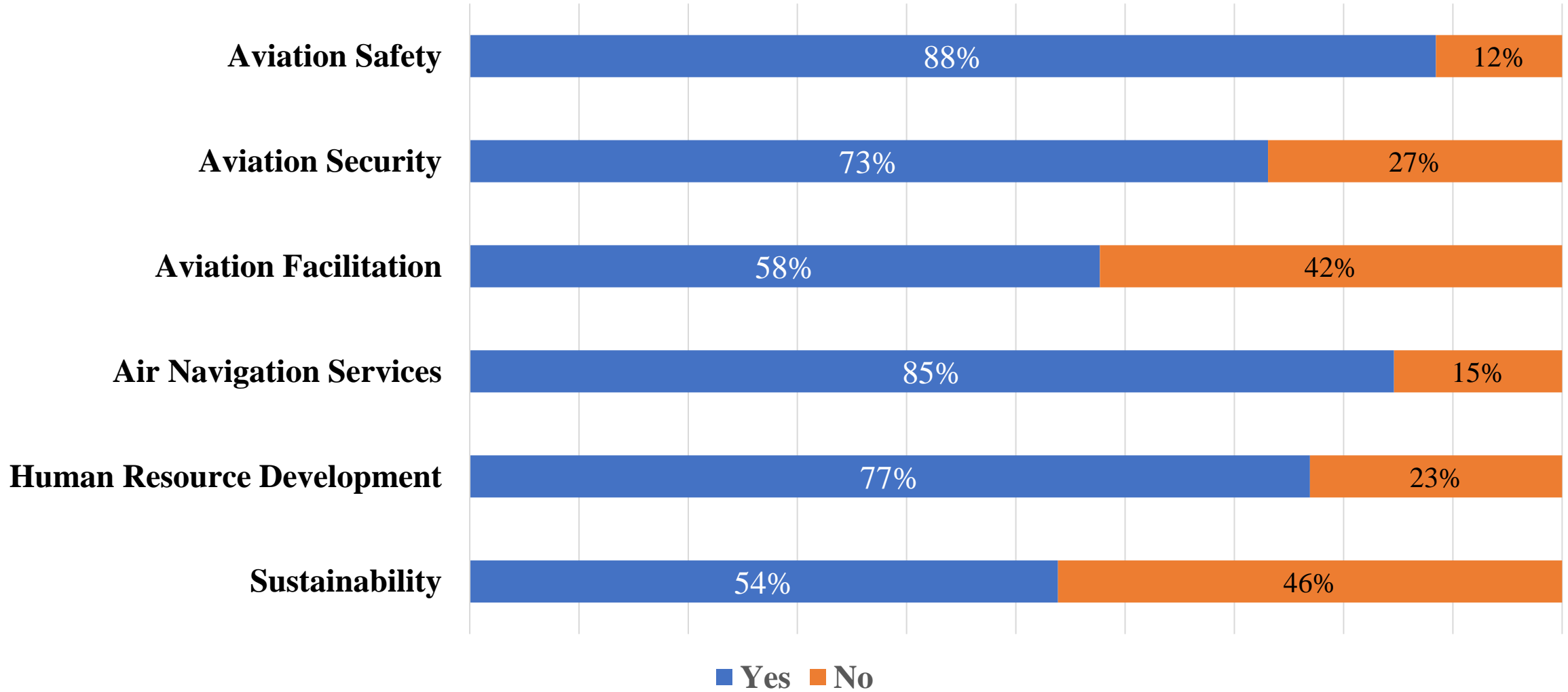
a) Identify up to three needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

<b>Domains</b>	<b>Top needs</b>
<b>Aviation Safety</b>	<ol style="list-style-type: none"><li>1. CE 4 – Technical Personnel Qualification and Training</li><li>2. Fostering a strong and positive safety culture in the aviation sector</li><li>3. Implementation of an effective State Safety Programme (SSP)</li></ol>
<b>Aviation Security</b>	<ol style="list-style-type: none"><li>1. Identification of cybersecurity threats and formulation of mitigation measures</li><li>2. CE 7 – Quality Control Obligations</li><li>3. CE 4 – Personnel Qualifications and Training</li></ol>
<b>Aviation Facilitation</b>	<ol style="list-style-type: none"><li>1. Implementation of contactless processes for smoother and safer travel experience.</li><li>2. Implementation of national aviation plan in preparation for an outbreak of communicable disease posing a public health risk or public health emergency of international concern</li></ol>

a) Identify up to three needs of your State/Administration and rank them accordingly (i.e. rank 1 as top priority).

Domains	Top needs
<b>Air Navigation Services</b>	<ol style="list-style-type: none"> <li>1. Transition from Aeronautical Information Service (AIS) to Aeronautical Information Management (AIM) System</li> <li>2. Inclusion of air navigation in National Development Plans and establishment of National Air Navigation Plan</li> <li>3. Establishment of common ground/ground telecommunication infrastructure to support Air Navigation Services (ANS) applications</li> </ol>
<b>Human Resource Development</b>	<ol style="list-style-type: none"> <li>1. Attraction / Retention of Key aviation personnel</li> <li>2. Access to capability development through exchanges / OJTs / mentorship training</li> <li>3. Access to quality training</li> </ol>
<b>Sustainability</b>	<ol style="list-style-type: none"> <li>1. Technical understanding of sustainable aviation fuels (SAF), including global developments</li> <li>2. Policy options and considerations pertaining to sustainable aviation fuels (SAF)</li> <li>3. Establishment of a State Action Plan (SAP)</li> <li>4. Implementation of CORSIA SARPs</li> </ol>

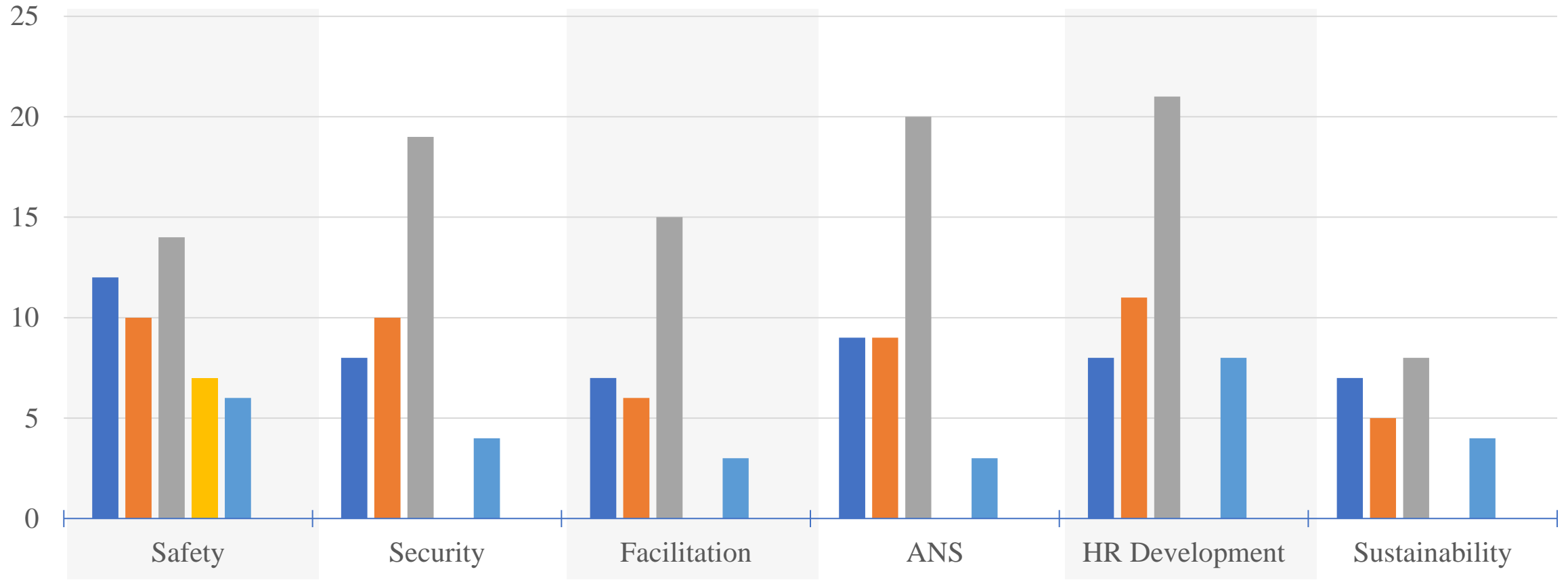
b) Does your State/Administration have (an) existing implementation plan(s) for the identified need(s)?



c) Who is providing the existing support for your plans? (You may select more than one option)

	<b>Safety</b>	<b>Security</b>	<b>Facilitation</b>	<b>ANS</b>	<b>HR Development</b>	<b>Sustainability</b>
Own State/Administration	<b>14</b>	<b>19</b>	<b>15</b>	<b>20</b>	<b>21</b>	<b>8</b>
ICAO APAC RO	<b>12</b>	<b>8</b>	<b>7</b>	<b>9</b>	<b>8</b>	<b>7</b>
Other ICAO regional cooperation mechanisms	<b>10</b>	<b>10</b>	<b>6</b>	<b>9</b>	<b>11</b>	<b>5</b>
International Organizations	<b>6</b>	<b>4</b>	<b>3</b>	<b>3</b>	<b>8</b>	<b>4</b>
Other Member States/Administrations	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

c) Who is providing the existing support for your plans? (You may select more than one option)



■ ICAO APAC RO

■ Own State/Administration

■ International Organizations

■ Other ICAO regional cooperation mechanisms

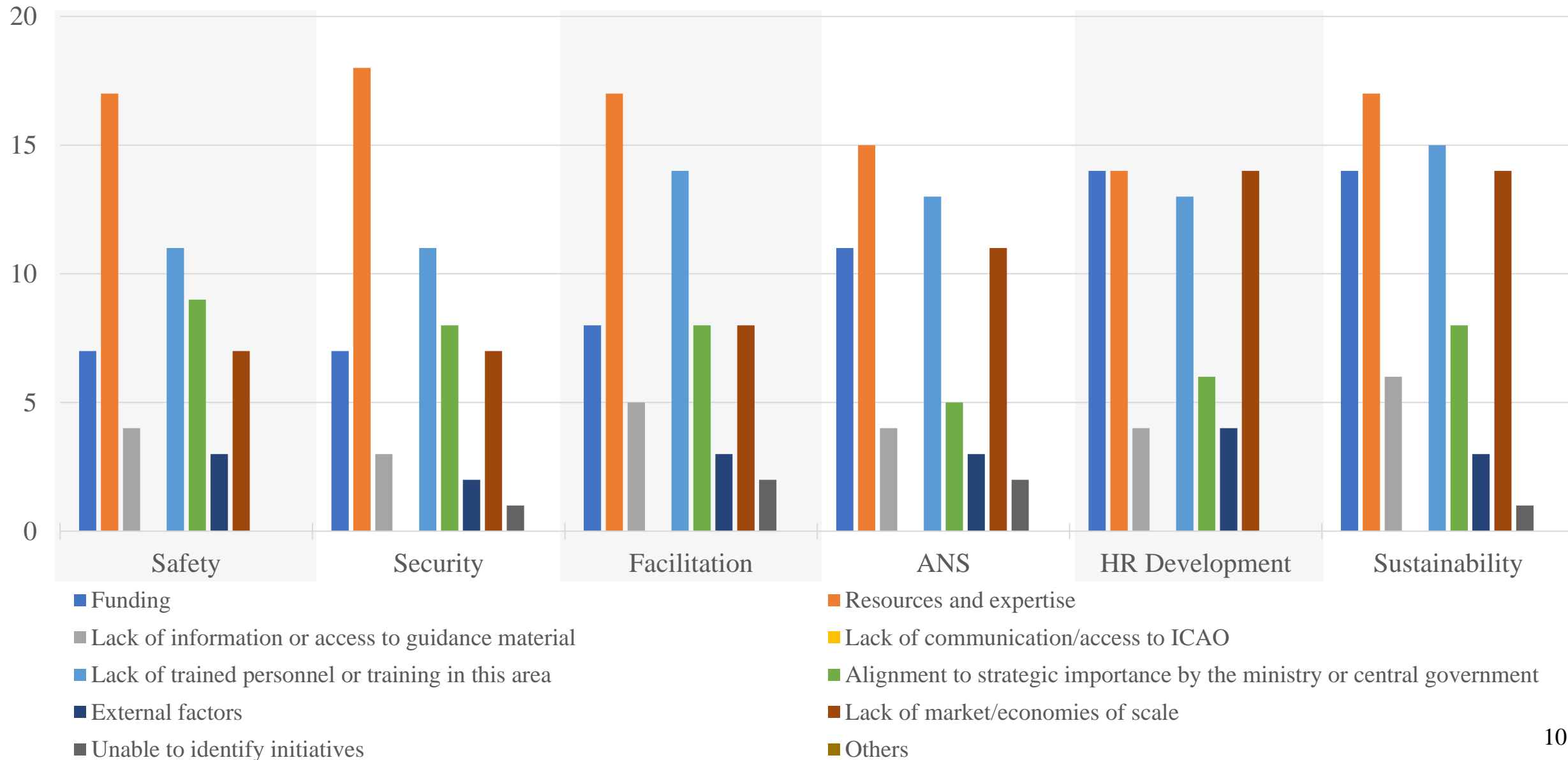
■ Other Member States/Administrations

■ Others

d) What challenges do you face in implementation? (You may select more than one option)

	Safety	Security	Facilitation	ANS	HR Development	Sustainability
Resources and expertise	17	18	17	15	14	17
Lack of trained personnel or training in this area	11	11	14	13	13	15
Funding	7	7	8	11	14	14
Lack of market/economies of scale	7	7	8	11	14	14
Alignment to strategic importance by the ministry or central government	9	8	8	5	6	8
Lack of information or access to guidance material	4	3	5	4	4	6
External factors	3	2	3	3	4	3
Unable to identify initiatives	0	1	2	2	0	1
Lack of communication/access to ICAO	0	0	0	0	0	0

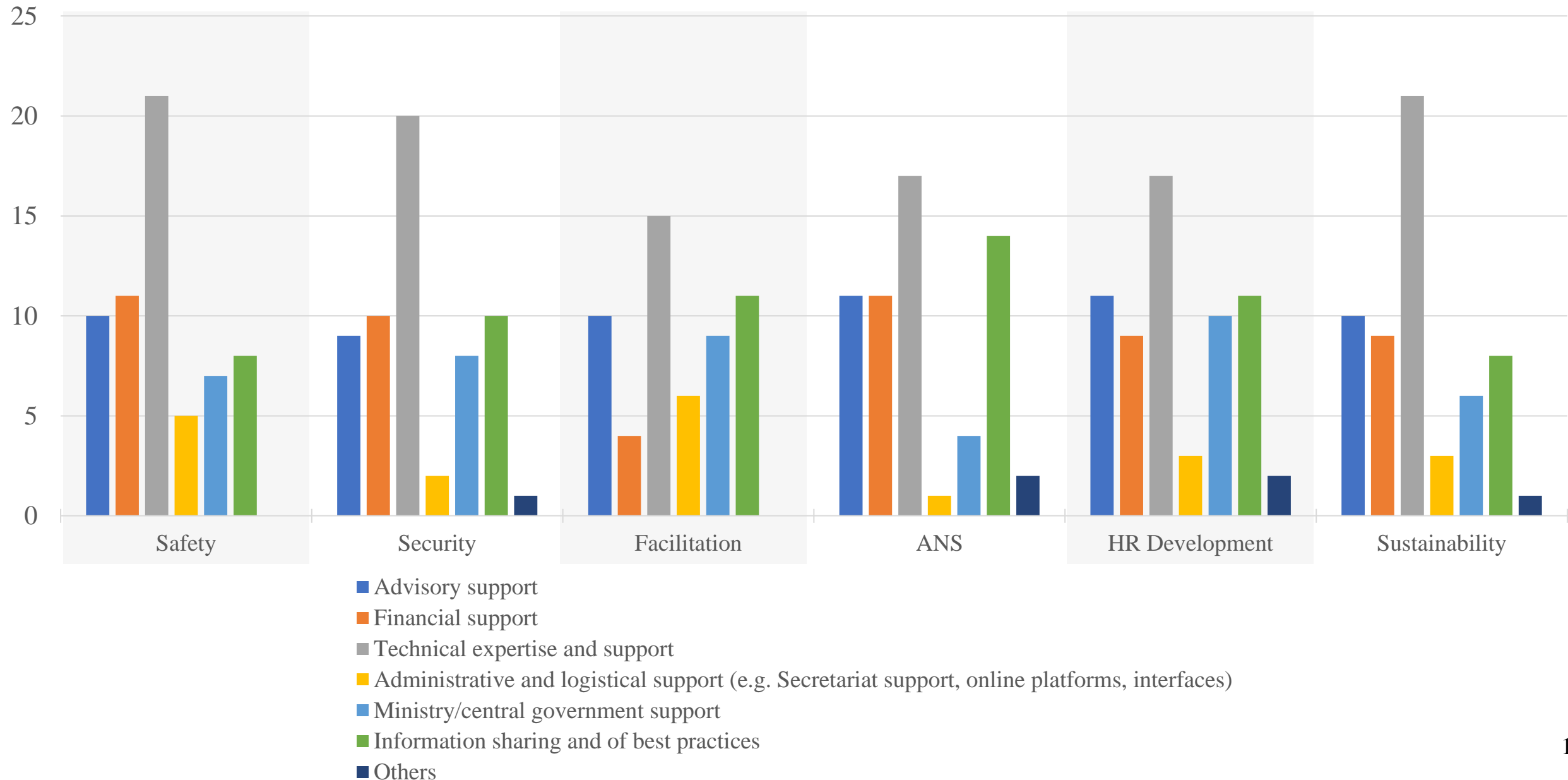
## d) What challenges do you face in implementation? (You may select more than one option)



e) What support is more required to address challenges you face? (You may select up to three options. Kindly rank them in order of priority (i.e. rank 1 as top priority))

	<b>Safety</b>	<b>Security</b>	<b>Facilitation</b>	<b>ANS</b>	<b>HR Development</b>	<b>Sustainability</b>
Technical expertise and support	<b>21</b>	<b>20</b>	<b>15</b>	<b>17</b>	<b>17</b>	<b>21</b>
Information sharing and of best practices	<b>8</b>	<b>10</b>	<b>11</b>	<b>14</b>	<b>11</b>	<b>8</b>
Advisory support	<b>10</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>11</b>	<b>10</b>
Financial support	<b>11</b>	<b>10</b>	<b>4</b>	<b>11</b>	<b>9</b>	<b>9</b>
Ministry/central government support	<b>7</b>	<b>8</b>	<b>9</b>	<b>4</b>	<b>10</b>	<b>6</b>
Administrative and logistical support (e.g. Secretariat support, online platforms, interfaces)	<b>5</b>	<b>2</b>	<b>6</b>	<b>1</b>	<b>3</b>	<b>3</b>
Others	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>1</b>

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<b>Domains</b>	<b>Top responses</b>
<b>Aviation Safety</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Financial support</li><li>3. Advisory support</li></ol>
<b>Aviation Security</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Information sharing and of best practices</li><li>3. Financial support</li></ol>
<b>Aviation Facilitation</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Information sharing and of best practices</li><li>3. Advisory support</li></ol>

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<b>Domains</b>	<b>Top responses</b>
<b>Air Navigation Services</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Information sharing and of best practices</li><li>3. Financial support</li><li>4. Advisory support</li></ol>
<b>Human Resource Development</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Information sharing and of best practices</li><li>3. Advisory support</li></ol>
<b>Sustainability</b>	<ol style="list-style-type: none"><li>1. Technical expertise and support</li><li>2. Advisory support</li><li>3. Financial support</li></ol>

f) Please list the top 3 aviation training areas your State/ Administration would need



# Next steps

- Encourage States / Administrations who have yet to submit the survey to do so as soon as possible.
- Finalise and report analysis of Needs Survey at the RCM TF/12.
- Present report at DGCA / 58, as part of the RCM TF progress update

End of Presentation -

Thank you.