

APPENDIX A

GLOBAL RPK CAGR COMPARISON

	10 Year (2019-2029)	20 Year (2019-2039)	30 Year (2019-2049)	31 Year (2019-2050)
2021 baseline Low	1.5%	2.4%	2.8%	2.8%
2021 baseline Mid	2.0%	3.0%	3.3%	3.4%
2021 baseline High	2.2%	3.3%	3.6%	3.7%
2018 baseline Mid (previous version)	2.5%	3.3%	3.5%	3.5%

2019-2050 CAGR RPK COMPARISON BY ROUTEGROUP

Route Group	2018 Baseline Mid	2021 Baseline: High	2021 Baseline: Mid	2021 Baseline: Low
Africa	4.6%	4.9%	4.9%	4.4%
Africa - Asia/Pacific	4.2%	4.2%	3.8%	3.5%
Africa - Middle East	4.6%	5.1%	5.1%	4.2%
Africa - North America	2.5%	3.0%	2.1%	1.6%
Africa & Middle East - Central America/Caribbean	4.3%	4.9%	4.5%	4.0%
Africa & Middle East - South America	4.1%	4.7%	4.8%	3.7%
Central America/Caribbean	3.2%	3.1%	2.7%	2.4%
Central America/Caribbean – Europe	3.1%	3.3%	2.8%	2.6%
Central America/Caribbean - North America	3.0%	3.3%	2.7%	1.9%
Central America/Caribbean - South America	3.3%	3.6%	3.3%	2.7%
China – Europe	3.2%	3.4%	3.5%	2.7%
China - Middle East	3.7%	4.2%	4.1%	3.5%
China - North America	3.3%	3.9%	3.9%	2.9%
China & South West Asia - North Asia	5.4%	5.2%	4.9%	4.2%
China & South West Asia - Pacific South East Asia	5.1%	5.5%	5.4%	4.6%
China/Mongolia	4.1%	4.3%	4.1%	3.5%
Europe	2.6%	2.6%	2.5%	2.0%
Europe - Middle East	2.7%	2.7%	2.6%	2.0%
Europe - North Africa	3.8%	3.9%	3.4%	3.1%
Europe - North America	2.6%	2.8%	2.4%	1.9%
Europe - North Asia	2.5%	2.5%	2.6%	2.0%
Europe - Pacific South East Asia	3.4%	3.5%	3.4%	2.7%
Europe - South America	2.7%	2.7%	2.6%	2.1%
Europe - South West Asia	4.4%	4.3%	4.6%	3.5%

Europe - Sub Saharan Africa	2.3%	2.5%	2.1%	1.8%
Intra Africa	4.6%	4.9%	4.5%	4.4%
Intra Central America/Caribbean	3.2%	3.1%	2.8%	2.4%
Intra China & South West Asia	4.0%	4.3%	4.2%	3.6%
Intra Europe	2.6%	2.6%	2.5%	2.0%
Intra Middle East	3.0%	3.0%	3.1%	2.2%
Intra North America	2.5%	2.7%	2.2%	1.5%
Intra North Asia	2.2%	2.1%	2.6%	1.6%
Intra Pacific South East Asia	4.3%	4.2%	4.0%	3.6%
Intra South America	2.6%	3.0%	3.2%	2.3%
Latin America/Caribbean – China	3.8%	4.0%	4.6%	3.2%
Latin America/Caribbean - North Asia & Pacific South East Asia	3.3%	3.2%	2.7%	2.6%
Middle East	3.0%	3.0%	2.5%	2.2%
Middle East - North America	2.6%	2.9%	2.4%	1.7%
Middle East - North Asia & Pacific South East Asia	3.1%	3.0%	3.2%	2.3%
Middle East - South West Asia	7.3%	7.3%	7.3%	6.3%
North America	2.5%	2.9%	2.2%	1.5%
North America - North Asia	2.4%	2.7%	2.3%	1.6%
North America - Pacific South East Asia	3.4%	3.8%	3.0%	2.4%
North America - South America	2.6%	3.0%	2.8%	1.8%
North America - South West Asia	4.6%	5.0%	4.7%	3.5%
North Asia	2.2%	2.1%	1.9%	1.6%
North Asia - Pacific South East Asia	3.6%	3.5%	2.9%	2.8%
Pacific South East Asia	4.3%	4.2%	4.2%	3.6%
South America	2.6%	3.0%	2.8%	2.3%
South West Asia	5.8%	5.8%	5.8%	5.2%
Domestic Total	3.4%	3.6%	3.3%	2.7%
International Total	3.6%	3.7%	3.4%	2.9%
World Total	3.5%	3.7%	3.4%	2.8%

APPENDIX B

GLOBAL FTK CAGR COMPARISON

	10 Year (2019-2029)	20 Year (2019-2039)	30 Year (2019-2049)	31 Year (2019-2050)
2021 baseline Low	3.8%	3.4%	3.1%	3.1%
2021 baseline Mid	4.5%	4.0%	3.6%	3.6%
2021 baseline High	4.9%	4.4%	4.0%	3.9%
2018 baseline Mid (previous version)	3.5%	3.4%	3.5%	3.5%

2019-2050 CAGR FTK COMPARISON BY REGION

Region	2018 Baseline Mid	2021 Baseline: High	2021 Baseline: Mid	2021 Baseline: Low
Africa	4.0%	3.4%	3.2%	2.9%
Asia and Pacific	2.9%	3.6%	3.4%	3.1%
Europe	2.1%	1.8%	1.7%	1.4%
Latin America and Caribbean	1.5%	1.4%	1.3%	1.1%
Middle East	6.1%	5.5%	5.2%	4.5%
North America	3.2%	5.1%	4.4%	3.6%
World Total	3.5%	3.9%	3.6%	3.1%

Appendix C: ICAO Statistical Regions with Sub-Regions Used for Route Groups

AFRICA

North Africa

Algeria

Egypt

Libya

Morocco

Tunisia

Sub Saharan Africa

Angola

Benin

Botswana

Burkina Faso

Burundi

Cabo Verde

Cameroon

Central African Republic

Chad

Comoros

Congo

Côte d'Ivoire

Democratic Republic of the Congo

Djibouti

Equatorial Guinea

Eritrea

Eswatini

Ethiopia

Gabon

Gambia

Ghana

Guinea

Guinea-Bissau

Kenya

Lesotho

Liberia

Madagascar

Malawi

Mali

Mauritania

Mauritius

Mozambique

Namibia

Niger

Nigeria

Rwanda

Sao Tome and Principe

Senegal

Seychelles

Sierra Leone

Somalia

South Africa

South Sudan

Sudan

Togo

Uganda

United Republic of Tanzania

Zambia

Zimbabwe

ASIA AND PACIFIC

Central and South-West Asia

Afghanistan

Bangladesh

Bhutan

China

India

Kazakhstan

Kyrgyzstan
Mongolia
Myanmar
Nepal
Pakistan

Sri Lanka
Tajikistan
Turkmenistan
Uzbekistan

North Asia

Democratic People's Republic of Korea
Japan

Republic of Korea

Pacific South-East Asia

Australia
Brunei Darussalam
Cambodia
Cook Islands
Fiji
Indonesia
Kiribati
Lao People's Democratic Republic
Malaysia
Maldives
Marshall Islands
Micronesia (Federated States of)
Nauru

New Zealand
Palau
Papua New Guinea
Philippines
Samoa
Singapore
Solomon Islands
Thailand
Timor-Leste
Tonga
Tuvalu
Vanuatu
Viet Nam

EUROPE

Albania
Andorra
Armenia
Austria
Azerbaijan
Belarus
Belgium
Bosnia and Herzegovina
Bulgaria
Croatia
Cyprus
Czechia
Denmark
Estonia
Finland
France
Georgia
Germany

Greece
Hungary
Iceland
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Monaco
Montenegro
Netherlands
North Macedonia
Norway
Poland
Portugal
Republic of Moldova
Romania

Russian Federation
San Marino
Serbia
Slovakia
Slovenia
Spain

Sweden
Switzerland
Turkey
Ukraine
United Kingdom

LATIN AMERICA AND THE CARIBBEAN

Central America/ Caribbean

Antigua and Barbuda
Bahamas
Barbados
Belize
Costa Rica
Cuba
Dominica
Dominican Republic
El Salvador
Grenada
Guatemala

Haiti
Honduras
Jamaica
Mexico
Nicaragua
Panama
Saint Kitts and Nevis
Saint Lucia
Saint Vincent and the Grenadines
Trinidad and Tobago

South America

Argentina
Bolivia (Plurinational State of)
Brazil
Chile
Colombia
Ecuador

Guyana
Paraguay
Peru
Suriname
Uruguay
Venezuela (Bolivarian Republic of)

MIDDLE EAST

Bahrain
Iran (Islamic Republic of)
Iraq
Israel
Jordan
Kuwait
Lebanon

Oman
Qatar
Saudi Arabia
Syrian Arab Republic
United Arab Emirates
Yemen

NORTH AMERICA

Canada

United States

Map of ICAO Regions

