

Appendix A: Traffic Forecasts

ICAO Revenue Passenger-Kilometres (RPK) Forecasts Scenarios¹

	10 Year (2018-2028)	20 Year (2018-2038)	30 Year (2018-2048)	32 Year (2018-2050)
Post-COVID : Low	1.2%	2.4%	2.8%	2.9%
Post-COVID : Mid	2.6%	3.3%	3.5%	3.6%
Post-COVID : High	3.6%	4.1%	4.2%	4.2%
Pre-COVID : Mid	4.2%	4.2%	4.2%	4.2%

ICAO Revenue Passenger-Kilometres (RPK) Scenarios by route group (2018-2050)¹

Route Group	Pre-COVID	Post-COVID		
	Mid	High	Mid	Low
Africa	5.3%	5.0%	4.5%	4.0%
Africa - Asia/Pacific	5.1%	4.9%	4.3%	3.5%
Africa - Middle East	5.6%	5.2%	4.6%	3.8%
Africa - North America	2.7%	3.1%	2.5%	1.7%
Africa & Middle East - Central America/Caribbean	5.5%	4.8%	4.3%	3.6%
Africa & Middle East - South America	5.0%	4.7%	4.1%	3.3%
Central America/Caribbean	4.1%	3.9%	3.2%	2.8%
Central America/Caribbean – Europe	3.7%	3.8%	3.2%	2.6%
Central America/Caribbean - North America	3.3%	3.7%	3.0%	2.1%
Central America/Caribbean - South America	4.2%	3.9%	3.3%	2.6%
China – Europe	4.2%	4.0%	3.4%	2.7%
China - Middle East	4.7%	4.5%	3.8%	3.0%
China - North America	4.3%	4.2%	3.5%	2.7%
China & South West Asia - North Asia	6.7%	6.3%	5.5%	4.4%
China & South West Asia - Pacific South East Asia	6.1%	5.9%	5.2%	4.4%
China/Mongolia	4.7%	5.0%	4.3%	3.4%

¹ Percentages express a Compound Annual Growth Rate (CAGR) over the time period.

Europe	3.0%	3.1%	2.7%	2.3%
Europe - Middle East	3.3%	3.3%	2.7%	2.2%
Europe - North Africa	4.3%	4.4%	3.8%	3.1%
Europe - North America	2.9%	3.2%	2.6%	2.1%
Europe - North Asia	2.9%	3.0%	2.5%	2.2%
Europe - Pacific South East Asia	4.0%	4.1%	3.5%	2.8%
Europe - South America	3.3%	3.3%	2.7%	2.2%
Europe - South West Asia	5.0%	5.0%	4.4%	3.7%
Europe - Sub Saharan Africa	2.6%	2.8%	2.3%	1.9%
Intra Africa	5.3%	5.0%	4.5%	4.0%
Intra Central America/Caribbean	4.1%	3.9%	3.2%	2.8%
Intra China & South West Asia	5.0%	4.8%	4.2%	3.4%
Intra Europe	3.0%	3.1%	2.7%	2.3%
Intra Middle East	4.0%	3.6%	3.0%	2.5%
Intra North America	2.7%	3.1%	2.5%	1.8%
Intra North Asia	2.5%	2.6%	2.2%	1.8%
Intra Pacific South East Asia	5.2%	4.9%	4.3%	3.6%
Intra South America	3.4%	3.2%	2.7%	2.2%
Latin America/Caribbean – China	4.7%	4.5%	3.9%	3.1%
Latin America/Caribbean - North Asia & Pacific South East Asia	4.2%	3.9%	3.3%	2.7%
Middle East	4.0%	3.6%	3.0%	2.5%
Middle East - North America	3.0%	3.3%	2.6%	1.8%
Middle East - North Asia & Pacific South East Asia	4.0%	3.8%	3.2%	2.5%
Middle East - South West Asia	8.7%	8.1%	7.3%	6.2%
North America	2.7%	3.1%	2.5%	1.8%
North America - North Asia	2.7%	3.0%	2.4%	1.8%
North America - Pacific South East Asia	3.9%	4.2%	3.5%	2.5%
North America - South America	3.1%	3.3%	2.6%	1.9%
North America - South West Asia	5.2%	5.3%	4.6%	3.5%
North Asia	2.5%	2.6%	2.2%	1.8%
North Asia - Pacific South East Asia	4.3%	4.2%	3.6%	2.9%
Pacific South East Asia	5.2%	4.9%	4.3%	3.6%
South America	3.4%	3.2%	2.7%	2.2%
South West Asia	6.8%	6.4%	5.8%	4.9%
World	4.2%	4.2%	3.6%	2.9%

ICAO Freight Tonnes-Kilometres (FTK) Forecasts Scenarios²

	10 Year (2018-2028)	20 Year (2018-2038)	30 Year (2018-2048)	32 Year (2018-2050)
Post-COVID : Low	2.3%	2.5%	2.6%	2.6%
Post-COVID : Mid	3.5%	3.4%	3.5%	3.5%
Post-COVID : High	4.1%	4.1%	4.2%	4.2%
Pre-COVID : Mid	3.5%	3.5%	3.5%	3.5%

ICAO Freight Tonnes-Kilometres (FTK) Scenarios by region (2018-2050)²

Region	Pre-COVID	Post-COVID		
	Mid	High	Mid	Low
Middle East	6.1%	7.2%	6.0%	4.4%
Asia and Pacific	3.0%	3.5%	3.1%	2.6%
Africa	4.1%	4.6%	3.8%	3.0%
North America	3.2%	3.9%	3.2%	2.1%
Europe	1.9%	2.4%	1.9%	1.5%
Latin America/Caribbean	1.2%	1.5%	1.2%	0.8%
World Total	3.5%	4.2%	3.5%	2.6%

² Percentages express a Compound Annual Growth Rate (CAGR) over the time period.

Appendix B: 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

