



| ICAO

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NO COUNTRY LEFT BEHIND

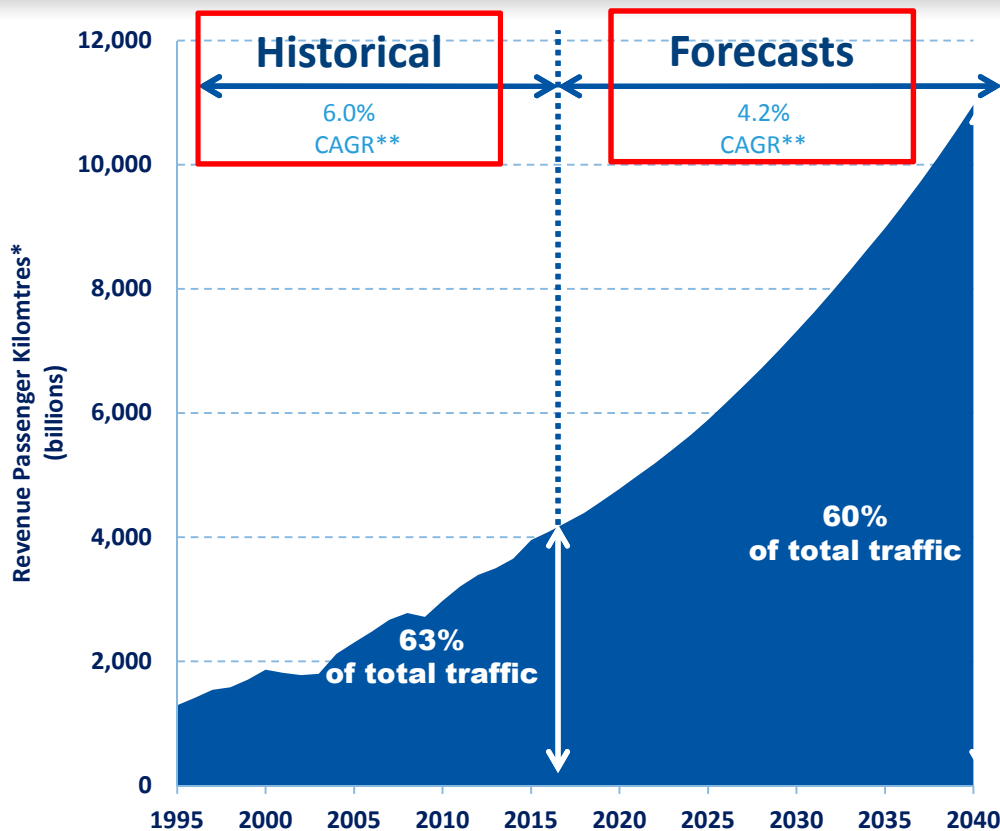


Opening remarks for the ICAO NGAP Forum

Presentation by Boubacar Djibo
Director Air Transport Bureau

Montréal, Canada
27 November 2017



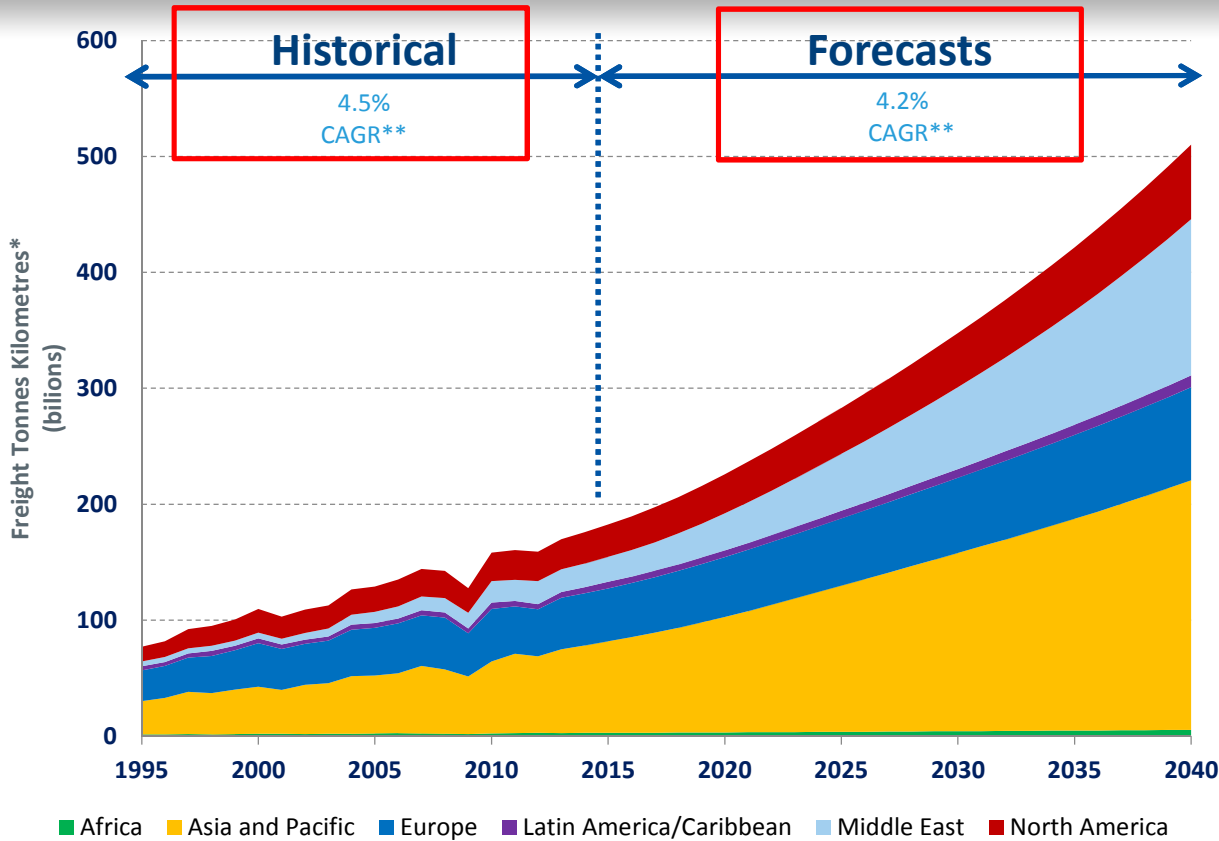


Long-term air traffic forecasts Scheduled international passenger traffic

Projected Top 10 Routes 2040

Rank 2040	Rank 2015	Long Term Forecast Route Group	Share 2040	Share 2015
1	4	Central Southwest Asia - Pacific South East Asia	11.9%	5.4%
2	1	Intra Europe	11.5%	15.8%
3	8	Central Southwest Asia - Middle East	11.3%	3.9%
4	2	Europe - North America	9.0%	11.8%
5	3	Central Southwest Asia - Europe	7.3%	5.8%
6	5	Intra Pacific South East Asia	6.1%	4.5%
7	7	Central Southwest Asia - North America	5.9%	4.1%
8	18	Central Southwest Asia- North Asia	4.6%	1.9%
9	6	Europe - Middle East	3.6%	4.5%
10	9	Europe - Pacific South East Asia	3.5%	3.6%

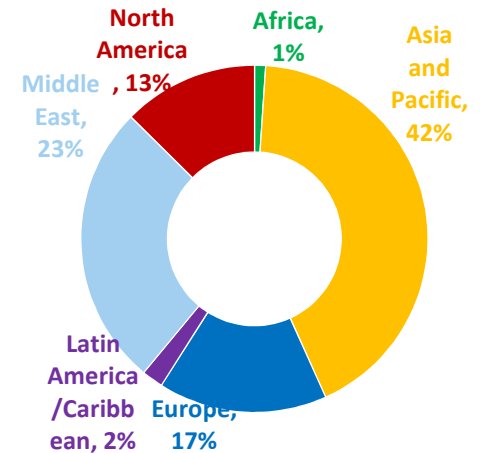
*Scheduled Services **Compound Average Annual Growth Rate



Long-term air traffic forecasts

Scheduled international freight traffic

Projected International Freight Traffic Breakdown by AOC 2040



*Scheduled Services **Compound Average Annual Growth Rate



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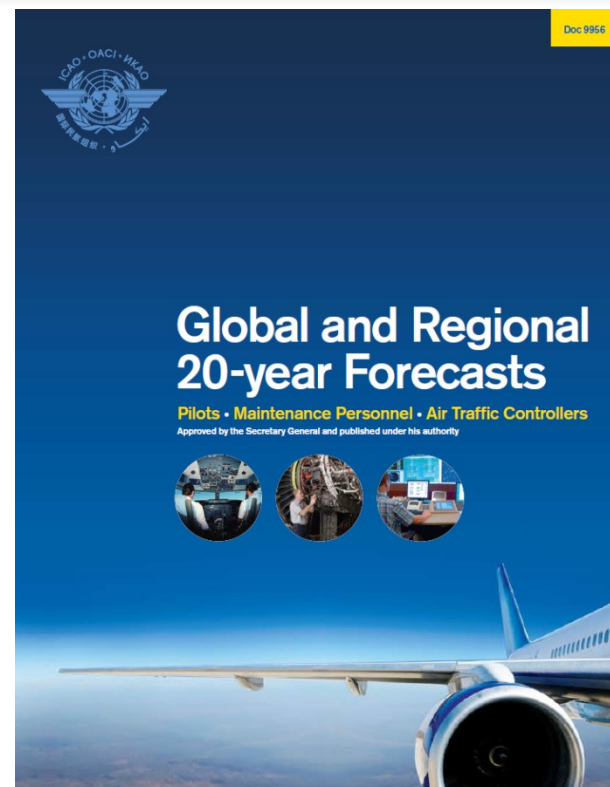
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39th Assembly Outcome regarding Personnel Forecasts

**Report on the Development of a single set of harmonized
long-term forecasts (A39-WP/64)**

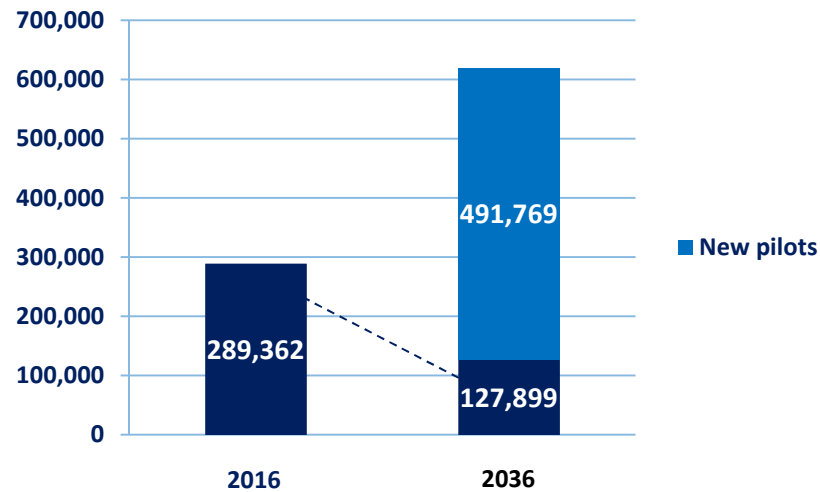
Update global and regional 20-year forecasts for pilots,
maintenance personnel and air traffic controllers (DOC 9956)
in April 2018 to meet the needs of the ICAO Next Generation
Aviation Professional (NGAP) programme.





Pilot forecasts for 2036

Region	Pilots 2016*	Pilots 2036*
Africa	7,251	18,533
Asia-Pacific	84,211	306,268
Europe	66,542	114,299
Latin America	24,965	32,827
Middle East	18,816	45,776
North America	87,577	101,966
World	289,362	619,668



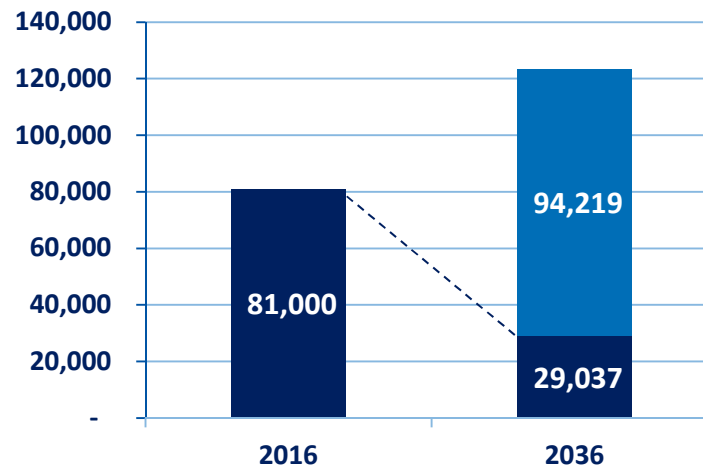
→ 67 new pilots / day

*Number of pilots to fly aircraft above 100 seats Source: ICAO



Air traffic controllers forecasts for 2036

	Air Traffic controllers 2016	Air Traffic controllers 2036
Africa	4,860	7,050
Asia/Pacific	25,110	48,993
Europe	23,490	29,589
Latin America	6,480	8,878
Middle East	5,670	8,434
North America	15,390	20,313
World	81,000	123,256

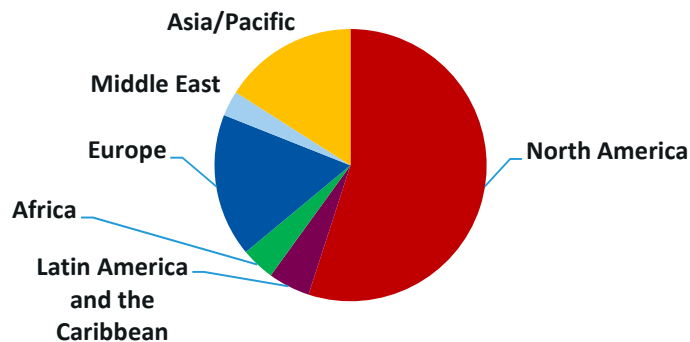


→ 13 new ATC / day



Maintenance personnel forecasts for 2036

Maintenance personnel geographical distribution in 2016



1.3 million maintenance personnel required in 2036
two times more than in 2016

Maintenance personnel population includes personnel employed by commercial air transport operators, maintenance, repair and overhaul organizations (MROs) and training organization.



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THANK YOU!