## Preliminary Findings

# The Economic Impact of Civil Aviation on the North Atlantic, 2020

Presented to: ICAO NAT EFFG 41

Paris, France

By: FAA

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## **Outline:**

- Background COVID's impact globally
- Operating statistics and values used to construct the Economic Impact
- Primary output
- Methodology for constructing secondary output
- NAT Economic Impact estimates for 2020

## **Effect of COVID on Air Transport**

| Passenger traffic (RPK), y-o-y % change |      |      |      |      |      |       |  | 2020/2017<br>% change |
|---|------|------|------|------|------|-------|--|-----------------------|
|   | 2015 | 2016 | 2017 | 2018 | 2019 | 2020  |  |                       |
| Global                                  | 7.0  | 7.5  | 8.1  | 7.3  | 4.1  | -65.9 |  | -61.9                 |
| North America                           | 4.5  | 4.3  | 4.0  | 5.3  | 4.0  | -65.2 |  | -61.9                 |
| Europe                                  | 5.8  | 5.3  | 9.1  | 7.5  | 4.2  | -69.9 |  | -66.3                 |
|   |      |      |      |      |      |       |  | ·                     |

### Revenue

| <b>2015</b> 721 -6.1 | <b>2016</b> 709 | <b>2017</b> 755 | <b>2018</b> 812                          | 2019   | 2020   |  |
|----------------------|-----------------|-----------------|--|--|--|--|
|                      |                 | 755             | Q12                                      | 020  | 2 = 2  |  |
| -6.1                 |                 |                 | 012                                      | 838  | 372  |  |
| 0.1                  | -1.6            | 6.5             | 7.6                                      | 3.2  | -55.6  | -50.7  |
|                      |                 | $\propto \sim$  |  |  |  |  |
| 545                  | 545             | 581             | 605                                      | 607  | 189  |  |
|                      | 0.0             | 6.6             | 4.1                                      | 0.3  | -68.9  | -67.5  |
|                      |                 |                 |  |  |  |  |
| 83.8                 | 80.8            | 95.9            | 113.3                                    | 100.8  | 128.2  | 1  |
|                      | -3.6            | 18.7            | 18.1                                     | -11.0  | 27.2   | 33.7   |
|                      |                 | 83.8 80.8       | 0.0     6.6       83.8     80.8     95.9 | 0.0     6.6     4.1       83.8     80.8     95.9     113.3 | 0.0     6.6     4.1     0.3       83.8     80.8     95.9     113.3     100.8 | 0.0     6.6     4.1     0.3     -68.9       83.8     80.8     95.9     113.3     100.8     128.2 |

### Net profit, \$ billion

| •             | 2015 | 2016 | 2017 | 2018 | 2019 | 2020   |
|---------------|------|------|------|------|------|--------|
| Global        | 36.0 | 34.2 | 37.6 | 27.3 | 26.4 | -126.4 |
| North America | 21.7 | 17   | 17.8 | 14.5 | 17.4 | -35.1  |
| Europe        | 7.1  | 8.5  | 8.9  | 9.1  | 6.5  | -34.5  |

Source: IATA Industry Statistics Fact Sheet, April 2021



## **North Atlantic Data**



# Operating Statistics – 2020

## Annual Operations<sup>1</sup>

- Number of flights: 327,646 (▼ -55% from 2017)
  - 314,836 passenger flights (▼ -56%)
  - 12,810 freighter flights (▲ 19%)

## Passengers and Cargo<sup>2</sup>

- Passengers: More than 31 million carried (▼ -77%)
- Cargo: Almost 31 billion RTM transported (▼ -16%)



<sup>&</sup>lt;sup>1</sup> FAA TFMS Data and estimated supplementary data for Santa Maria (15k for 2020)

<sup>&</sup>lt;sup>2</sup> FAA estimates using TFMS and US DOT/BTS Operational Data

# Average Economic Values – 2020

## Passenger:

- Fare revenue per passenger flight: \$65,607 (▼ -50% from 2017)
- Round-trip passenger fare¹: \$1,097 (▼ -21%)
- Average miles per departure: 3,519 (▼ -14%)
- Visitor Expenditure<sup>2</sup>: \$987 (▼ -60%)

## Cargo:

- Freight revenue per passenger flight: \$56,256 (▲ 346%)
- Revenue per RTM, passenger flight: \$0.65 (▲ 144%)
- Freight revenue per freight flight: \$185,201 (▲ 20%)
- Revenue per RTM, freight flight: \$0.67 (▲ 13%)

Source: FAA calculations using U.S. DOT/BTS Form 41 data and visitors data from selected countries; Some visitor data not available for 2020 were estimated based on 2019 data.



<sup>&</sup>lt;sup>1</sup> Passenger fare: Total fare paid by passenger, including taxes and fees.

<sup>&</sup>lt;sup>2</sup> Change in methodology contributed to the decline

# Calculations – Primary Impacts

## **Estimation Overview and Sources**

### **Primary Output of Four Segments**

| Segment              | Quantity<br>(Q) | Price<br>(P)            | Data Sources  |  |         |         |  |
|----------------------|-----------------|-------------------------|---|--|---------|---------|--|
| Airline operations - | Passenger       | Average                 | (Q) FAA TFMS¹ (ETMS) flights and BTS² load factors                          |  |         |         |  |
| Passengers           | Flows           | Passenger Fare          | Passenger Fare  | (P) BTS average passenger fare, freight revenues |         |         |  |
| Airline operations - | Freight         | Average Revenue         | (Q) TFMS flights and BTS RTM per flight, pax and cargo opns                 |  |         |         |  |
| Freight              | RTM             | per RTM                 | per RTM   | per RTM  | per RTM | per RTM | (P) BTS freight revenues, pax and cargo opns |
| Visitor              | Visitor         | Average                 | (Q) Passenger flows and visitors data from selected countries <sup>3</sup>  |  |         |         |  |
| Expenditures         | Flows           | Spending per<br>Visitor | (P) Visitors and spending data from US, UK and Canada agencies <sup>3</sup> |  |         |         |  |
| ANSP Fees            | -               | -                       | NAT revenue data from ANSP annual reports                                   |  |         |         |  |

<sup>&</sup>lt;sup>1</sup> Traffic Flow Management System

- Estimates except ANSP fees are calculated by country-pairs, to and from.
- Countries include 8 NAT member countries and Rest-of-NAT.

<sup>&</sup>lt;sup>2</sup> US Bureau of Transportation Statistics

<sup>&</sup>lt;sup>3</sup> US International Trade Administration (ITA), UK Office of National Statistics, Statistics Canada and Canadian Tourism Commission.

## **Primary Output Matrix - 2020**

## Total Primary Output<sup>1</sup>: NAT-8 vs. ROW<sup>2</sup>

(Million USD)

| To:<br>From: | l  | NAT-8  | ROW          | Total        |
|--------------|----|--------|--------------|--------------|
| NAT-8        | \$ | 13,919 | \$<br>19,151 | \$<br>33,070 |
| ROW          | \$ | 17,815 | \$<br>8,438  | \$<br>26,254 |
| Total        | \$ | 31,734 | \$<br>27,589 | \$<br>59,323 |

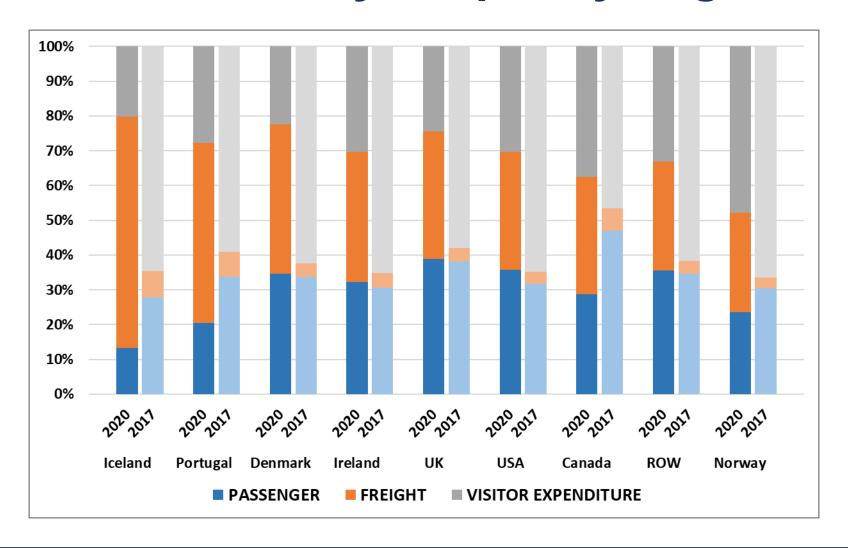
| <b>2017 Total</b> | Percent<br>Change |
|-------------------|-------------------|
| \$ 158,803        | -79%              |
| \$ 112,096        | -77%              |

| 2017 Total        | \$<br>156,353 | \$<br>114,546 |
|-------------------|---------------|---------------|
| Percent<br>Change | -80%          | -76%          |

| \$<br>270,898 |      |
|---------------|------|
|               | -78% |

<sup>&</sup>lt;sup>1</sup>Total primary output here includes output for passengers, freight, and visitor expenditures (*excludes ANSP output*) <sup>2</sup>ROW – Rest of countries in NAT airspace.

## **Share of Primary Output by Segment**



## **Total Primary Output by Country**

#### NAT Region Economic Impact in USD, 2020

#### Canada

# Description (\$Millions) Direct and Indirect Impacts Airline Operations - Passengers Airline Operations - Freight ANSP Fees Visitor Expenditures Total Impact (\$Millions) Primary Output 1,657 1,657 28 28 28 75,776

#### Ireland

| Description                     | (\$Millions)   |  |  |
|---------------------------------|----------------|--|--|
| Direct and Indirect Impacts     | Primary Output |  |  |
|                                 |                |  |  |
| Airline Operations - Passengers | 418            |  |  |
| Airline Operations - Freight    | 485            |  |  |
| ANSP Fees                       | 11             |  |  |
| Visitor Expenditures            | 392            |  |  |
| Total Impact                    | 1,306          |  |  |

#### U.K.

| Description                     | (\$Millions)   |
|---------------------------------|----------------|
| Direct and Indirect Impacts     | Primary Output |
|                                 |                |
| Airline Operations - Passengers | 3,938          |
| Airline Operations - Freight    | 3,722          |
| ANSP Fees                       |                |
| Visitor Expenditures            | 2,485          |
| Total Impact                    | 10,145         |

#### **Denmark**

| Description  Direct and Indirect Impacts | (\$Millions)  Primary Output |  |  |
|--|------------------------------|--|--|
| ·  | ,                            |  |  |
| Airline Operations - Passengers          | 204                          |  |  |
| Airline Operations - Freight             | 253                          |  |  |
| ANSP Fees                                |                              |  |  |
| Visitor Expenditures                     | 133                          |  |  |
| Total Impact                             | 589                          |  |  |

#### Norway

| Description                     | (\$Millions)   |  |  |
|---------------------------------|----------------|--|--|
| Direct and Indirect Impacts     | Primary Output |  |  |
|                                 |                |  |  |
| Airline Operations - Passengers | 39             |  |  |
| Airline Operations - Freight    | 47             |  |  |
| ANSP Fees                       |                |  |  |
| Visitor Expenditures            | 79             |  |  |
| Total Impact                    | 164            |  |  |

#### U.S.

| Description  Direct and Indirect Impacts | (\$Millions)  Primary Output |  |  |  |  |
|--|------------------------------|--|--|--|--|
| en cot and man cot impacts               | Timaly Suspec                |  |  |  |  |
| Airline Operations - Passengers          | 14,904                       |  |  |  |  |
| Airline Operations - Freight             | 14,177                       |  |  |  |  |
| ANSP Fees                                |                              |  |  |  |  |
| Visitor Expenditures                     | 12,651                       |  |  |  |  |
| Total Impact                             | 41,732                       |  |  |  |  |

#### **Iceland**

| Description                     | (\$Millions)   |  |  |  |  |  |
|---------------------------------|----------------|--|--|--|--|--|
| Direct and Indirect Impacts     | Primary Output |  |  |  |  |  |
|                                 |                |  |  |  |  |  |
| Airline Operations - Passengers | 114            |  |  |  |  |  |
| Airline Operations - Freight    | 575            |  |  |  |  |  |
| ANSP Fees                       | 0              |  |  |  |  |  |
| Visitor Expenditures            | 175            |  |  |  |  |  |
| Total Impact                    | 863            |  |  |  |  |  |

#### **Portugal**

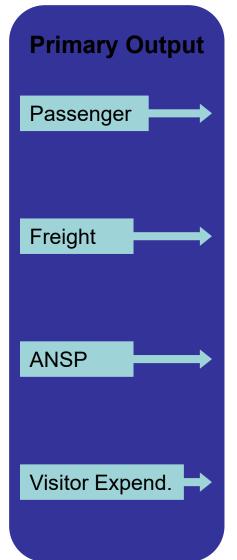
| . C. tagai                      |                       |
|---------------------------------|-----------------------|
| Description                     | (\$Millions)          |
| Direct and Indirect Impacts     | <b>Primary Output</b> |
|                                 |                       |
| Airline Operations - Passengers | 312                   |
| Airline Operations - Freight    | 792                   |
| ANSP Fees                       |                       |
| Visitor Expenditures            | 424                   |
| Total Impact                    | 1,528                 |

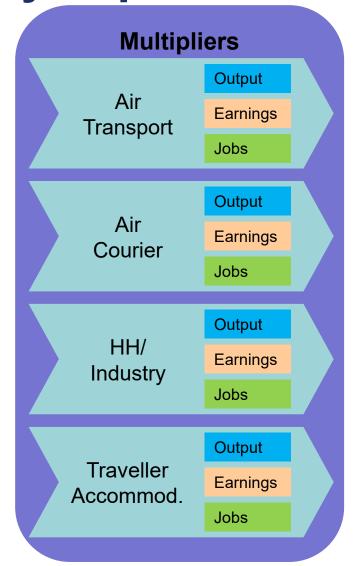
#### R.O.W. (Rest of NAT)

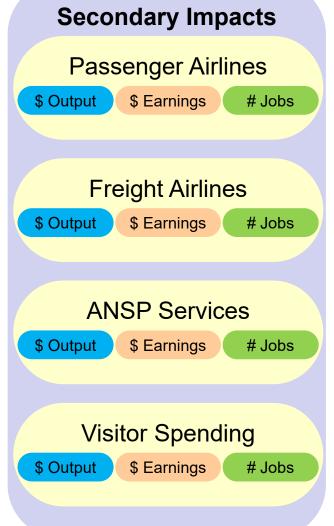
| Description                     | (\$Millions)   |
|---------------------------------|----------------|
| Direct and Indirect Impacts     | Primary Output |
|                                 |                |
| Airline Operations - Passengers | 16,124         |
| Airline Operations - Freight    | 14,254         |
| ANSP Fees                       |                |
| Visitor Expenditures            | 15,026         |
| Total Impact                    | 45,404         |

# Calculations – Secondary Impacts

## **Secondary Impact Calculation**







## NAT Region Total Economic Impact - 2020

| Source                          |         | utput<br>on USD) | Earnings<br>(Million USD) | Jobs<br>(000s) |
|---------------------------------|---------|------------------|---------------------------|----------------|
| Segment                         | Primary | Total            | Total                     | Total          |
| Airline Operations - Passengers | 20,656  | 51,418           | 12,643                    | 216            |
| Airline Operations - Freight    | 20,084  | 54,785           | 16,272                    | 435            |
| ANSP Fees                       | 39      | 98               | 27                        | 1              |
| Visitor Expenditures            | 18,584  | 47,560           | 14,126                    | 328            |
| Total Impact                    | 59,362  | 153,861          | 43,068                    | 980            |

| 2017 Total Impact    | 271,144 | 669,580 | 184,347   | 4,590 |
|----------------------|---------|---------|-----------|-------|
| 2027 Total IIII page | 2/1/11  | 003,300 | 10 1/0 17 | 1,330 |



# Summary

- NAT Region Economic Impact (total output) was USD \$154 billion and 1 million jobs in 2020
- The impact of COVID-19 was severe: total output was down 77% compared to 2017
- But 2021 has shown improvement

# **Appendix**

## **NAT Summary Stats and Economic Values, 2020**

| Total Economic Impact |      |      |      |          |
|-----------------------|------|------|------|----------|
| (\$ Billions)         | 2012 | 2017 | 2020 | % Change |
| Total NAT Impact      | 594  | 670  | 154  | -77.0%   |

| Annual Operations              |    |         |               |               |         |
|--------------------------------|----|---------|---------------|---------------|---------|
| (# Flights)                    |    | 2012    | 2017          | 2020          | %Change |
| Total NAT Flights              |    | 547,907 | 723,356       | 327,646       | -54.7%  |
| Passenger                      |    | 536,309 | 712,620       | 314,836       | -55.8%  |
| Cargo                          |    | 11,598  | 10,736        | 12,810        | 19.3%   |
| Passengers and Cargo           |    |         |               |               |         |
| (Millions)                     |    | 2012    | 2017          | 2020          | %Change |
| Passengers Carried             |    | 109     | 134           | 31            | -76.6%  |
| Freight Transported (RTM)      |    | 27,000  | 36,700        | 30,891        | -15.8%  |
|                                |    |         |               |               |         |
| Average Values in the NAT      |    |         |               |               |         |
| (Averages)                     |    | 2012    | 2017          | 2020          | %Change |
| Round-trip passenger fare      | \$ | 1,510   | \$<br>1,390   | \$<br>1,097   | -21.1%  |
| Visitor expenditures           | \$ | 2,300   | \$<br>2,480   | \$<br>987     | -60.2%  |
| Revenue per cargo flight       | \$ | 182,500 | \$<br>154,500 | \$<br>185,201 | 19.9%   |
| Fare revenue per pax flight    | \$ | 153,900 | \$<br>130,900 | \$<br>65,607  | -49.9%  |
| Freight revenue per pax flight |    | 13,860  | \$<br>12,600  | \$<br>56,256  | 346.5%  |
| Average miles per departure    |    | 4,400   | 4,070         | 3,519         | -13.5%  |



## **NAT Primary Output Matrix - 2020**

### **Total Primary Output<sup>1</sup>: Country-Pairs Matrix**

(Million USD)

|    | viiiiioii ooi |    |         |    |        |    |        |     |       |    |        | _  |          |    |          |               |                |    |                 |
|----|---------------|----|---------|----|--------|----|--------|-----|-------|----|--------|----|----------|----|----------|---------------|----------------|----|-----------------|
| Fr | To:           | (  | Canada  | D  | enmark | le | celand | Ire | eland | N  | lorway |    | Portugal |    | ROW      | UK            | USA            | (  | Total<br>From:) |
|    | Canada        | \$ | 20.1    | \$ | 34.6   | \$ | 39.0   | \$  | 81.0  | \$ | 23.5   | \$ | 98.1     | \$ | 3,141.4  | \$<br>494.4   | \$<br>17.9     | \$ | 3,950           |
|    | Denmark       | \$ | 12.3    | \$ | 95.8   | \$ | 34.3   | \$  | 0.1   | \$ | 0.1    | \$ | 1.0      | \$ | 15.0     | \$<br>0.8     | \$<br>228.0    | \$ | 387             |
|    | Iceland       | \$ | 29.2    | \$ | 32.3   | \$ | 0.1    | \$  | 15.6  | \$ | 0.1    | \$ | 5 -      | \$ | 139.6    | \$<br>104.5   | \$<br>118.8    | \$ | 440             |
|    | Ireland       | \$ | 37.3    | \$ | 0.0    | \$ | 17.9   | \$  | -     | \$ |        | \$ | 0.1      | \$ | 43.8     | \$<br>-       | \$<br>578.3    | \$ | 677             |
|    | Norway        | \$ | 5.1     | \$ | 0.1    | \$ | 0.1    | \$  | _     | \$ | -      | \$ | 0.4      | \$ | 20.6     | \$<br>0.0     | \$<br>64.3     | \$ | 91              |
|    | Portugal      | \$ | 43.4    | \$ | 0.3    | \$ | -      | \$  | 0.4   | \$ | 0.2    | \$ | 453.5    | \$ | 187.6    | \$<br>22.6    | \$<br>216.1    | \$ | 924             |
|    | ROW           | \$ | 1,199.3 | \$ | 9.8    | \$ | 93.0   | \$  | 31.2  | \$ | 22.3   | \$ | 162.8    | \$ | 8,438.4  | \$<br>421.1   | \$<br>15,875.6 | \$ | 26,254          |
|    | UK            | \$ | 463.0   | \$ | 0.7    |    | 74.0   | \$  | -     | \$ | 0.1    | \$ | 60.0     | \$ | 1,367.7  | \$<br>1.7     | \$<br>3,929.3  | \$ | 5,897           |
|    | USA           | \$ | 9.1     |    | 124.0  |    | 164.5  |     | 489.6 |    | 27.4   | \$ | 281.7    | \$ | 14,235.0 | \$<br>3,204.9 | \$<br>2,167.6  | \$ | 20,704          |
|    | Total (To:)   | \$ | 1,819   |    | 298    |    | 423    |     | 618   | Ė  | 74     |    | 1,058    | Ė  | 27,589   | 4,250         | 23,196         |    | 59,323          |

<sup>&</sup>lt;sup>1</sup>Total primary output here includes output for passengers, freight, and visitor expenditures (*excludes ANSP output*) ROW – Rest of countries in NAT airspace.

## Passenger Flow Matrix (000s) - 2020

| To:<br>From: | Canada  | Denmark | Iceland | Ireland | Norway | Portugal | ROW      | UK      | USA      | Total (From:) |
|--------------|---------|---------|---------|---------|--------|----------|----------|---------|----------|---------------|
| Canada       | 2.4     | 13.7    | 12.8    | 26.8    | 0.1    | 36.7     | 1,365.3  | 281.4   | 7.1      | 1,746.3       |
| Denmark      | 13.9    | 31.7    | 32.8    | 0.0     | 0.0    | 0.7      | 5.7      | 0.1     | 125.2    | 210.1         |
| Iceland      | 14.3    | 28.3    | 0.0     | 1.3     | 0.1    | -        | 56.0     | 12.1    | 84.7     | 196.8         |
| Ireland      | 44.0    | -       | 1.6     | -       | -      | -        | 16.7     | -       | 357.6    | 419.8         |
| Norway       | 0.1     | 0.0     | 0.0     | -       | -      | 0.3      | 9.3      | -       | 21.5     | 31.2          |
| Portugal     | 33.7    | 0.0     | -       | 0.2     | 0.1    | 268.4    | 56.7     | 8.6     | 123.5    | 491.2         |
| ROW          | 1,260.5 | 3.5     | 39.0    | 8.1     | 12.1   | 71.1     | 4,497.0  | 364.9   | 7,185.8  | 13,442.1      |
| UK           | 299.3   | 0.1     | 6.5     | -       | 0.0    | 26.8     | 479.2    | 0.3     | 2,113.3  | 2,925.5       |
| USA          | 6.0     | 109.0   | 82.4    | 300.1   | 24.1   | 121.8    | 7,729.4  | 2,166.7 | 1,425.1  | 11,964.7      |
| Total (To:)  | 1,674.1 | 186.4   | 175.1   | 336.5   | 36.6   | 525.9    | 14,215.2 | 2,834.0 | 11,443.9 | 31,427.7      |

Source: Calculations using FAA TFMS data for NAT flights by aircraft type; BTS Form 41 passengers and load factors



## **Average Round Trip Fare - 2020**

| То:      |         |           |         |             |           |           |         |           |         |
|----------|---------|-----------|---------|-------------|-----------|-----------|---------|-----------|---------|
| From:    | Canada  | Denmark   | Iceland | Ireland     | Norway    | Portugal  | ROW     | UK        | USA     |
| Canada   | \$-     | \$1,200   | \$798   | \$1,006     | \$1,052   | \$1,098   | \$939   | \$1,094   | \$824   |
| Sanada   | 7       | 7 = 7 = 3 | ****    | 7 = / 5 5 5 | 7 -/ -/ - | 7 - 7 - 7 | 7000    | 7 = 7 = 7 | 7 1     |
| Denmark  | \$1,200 | \$258     | \$409   | \$184       | \$184     | \$625     | \$1,237 | \$247     | \$1,405 |
| Iceland  | \$798   | \$409     | \$-     | \$282       | \$341     | \$565     | \$436   | \$362     | \$790   |
| Ireland  | \$1,006 | \$184     | \$282   | \$-         | \$247     | \$466     | \$561   | \$49      | \$1,140 |
| Norway   | \$1,052 | \$184     | \$341   | \$247       | \$-       | \$685     | \$783   | \$229     | \$1,325 |
| Portugal | \$1,098 | \$625     | \$565   | \$466       | \$685     | \$282     | \$1,172 | \$374     | \$1,251 |
| ROW      | \$939   | \$1,237   | \$436   | \$561       | \$783     | \$1,172   | \$1,493 | \$1,329   | \$1,456 |
| UK       | \$1,094 | \$247     | \$362   | \$49        | \$229     | \$374     | \$1,329 | \$-       | \$1,425 |
| USA      | \$824   | \$1,405   | \$790   | \$1,140     | \$1,325   | \$1,251   | \$1,456 | \$1,425   | \$284   |

Source: BTS DB1B Average Passenger Fare for US; Yield\*Distance for rest of NAT



## Freight Flights - 2020

| To:<br>From: | Canada | Denmark | Iceland | Ireland | Norway | Portugal | ROW  | UK   | USA  | Total<br>(From:) |
|--------------|--------|---------|---------|---------|--------|----------|------|------|------|------------------|
| Canada       |        |         |         |         |        |          | 13   |      |      | 13               |
| Denmark      |        |         |         |         |        |          |      |      |      |                  |
| Iceland      |        |         |         |         |        |          |      |      |      |                  |
| Ireland      |        |         |         |         |        |          |      |      | 2    | 2                |
| Norway       |        |         |         |         |        |          |      |      |      |                  |
| Portugal     |        |         |         |         |        |          |      |      | 29   | 29               |
| ROW          | 7      |         |         |         |        | 26       | 8    |      | 4370 | 4411             |
| UK           |        |         |         |         |        |          |      |      | 1370 | 1370             |
| USA          |        |         |         | 1       |        | 2        | 4697 | 1331 | 954  | 6985             |
| Total (To:)  | 7      |         |         | 1       |        | 28       | 4718 | 1331 | 6725 | 12810            |

Source: TFMS, NAT Flights

Note: No reported data for some NAT member countries



# Passenger Flights - 2020

| From:       | Canada | Denmark | Iceland | Ireland | Norway | Portugal | ROW     | UK     | USA     | Total<br>(From:) |
|-------------|--------|---------|---------|---------|--------|----------|---------|--------|---------|------------------|
| Canada      | 357    | 110     | 275     | 244     | 5      | 506      | 13,318  | 2,551  | 156     | 17,522           |
| Denmark     | 111    | 1,485   | 389     | 2       | 1      | 14       | 150     | 14     | 927     | 3,093            |
| Iceland     | 433    | 323     | 1       | 269     | 2      | -        | 1,623   | 1,832  | 1,168   | 5,651            |
| Ireland     | 417    | -       | 310     | -       | -      | -        | 541     | -      | 3,548   | 4,816            |
| Norway      | 7      | 1       | 1       | -       | -      | 5        | 139     | -      | 184     | 337              |
| Portugal    | 508    | 1       | -       | 6       | 2      | 5,504    | 1,761   | 353    | 1,412   | 9,548            |
| ROW         | 12,452 | 103     | 1,299   | 449     | 247    | 1,695    | 39,538  | 4,158  | 66,438  | 126,379          |
| UK          | 2,726  | 12      | 1,214   | -       | 2      | 757      | 6,575   | 30     | 18,235  | 29,552           |
| USA         | 119    | 853     | 1,075   | 2,829   | 235    | 1,374    | 72,859  | 18,804 | 19,791  | 117,939          |
| Total (To:) | 17,130 | 2,888   | 4,564   | 3,799   | 494    | 9,855    | 136,504 | 27,743 | 111,859 | 314,836          |

Source: TFMS, NAT Flights



## **Unique Visitor Flow Matrix (000s) - 2020**

| To:<br>From: | Canada | Denmark | Iceland | Ireland | Norway | Portugal | ROW     | UK      | USA     | Total<br>(From:) |
|--------------|--------|---------|---------|---------|--------|----------|---------|---------|---------|------------------|
| Canada       | 2.4    | 11.3    | 11.1    | 28.9    | 0.1    | 28.8     | 1,072.6 | 156.2   | 5.0     | 1,316.3          |
| Denmark      | 2.5    | 31.7    | 15.3    | 0.0     | 0.0    | 0.2      | 2.3     | 0.0     | 81.8    | 133.8            |
| Iceland      | 2.5    | 15.3    | 0.0     | 0.7     | 0.0    | -        | 23.7    | 1.8     | 28.3    | 72.3             |
| Ireland      | 6.5    | 0.0     | 0.7     | -       | -      | 0.1      | 6.2     | -       | 175.6   | 189.0            |
| Norway       | -      | 0.0     | 0.0     | -       | -      | 0.1      | 5.4     | 0.0     | 18.1    | 23.5             |
| Portugal     | 6.4    | 0.2     | -       | 0.1     | 0.1    | 268.4    | 32.0    | 2.8     | 48.0    | 358.0            |
| ROW          | 240.3  | 2.3     | 23.7    | 6.2     | 5.4    | 32.0     | 4,497.0 | 81.0    | 4,093.6 | 8,981.5          |
| UK           | 134.1  | 0.0     | 7.5     | -       | 0.0    | 14.9     | 341.0   | 0.3     | 1,246.2 | 1,744.0          |
| USA          | 1.6    | 35.3    | 55.3    | 153.3   | 4.8    | 74.6     | 3,364.0 | 893.8   | 1,425.1 | 6,007.8          |
| Total (To:)  | 396.3  | 96.1    | 113.7   | 189.1   | 10.3   | 419.0    | 9,344.1 | 1,136.0 | 7,121.6 | 18,826.3         |

Source: Adjusted Passenger Flows Matrix using Visitors Data from selected countries (US, UK, and Canada)

