**Exercise 3**

**Assumption Table 5: Information on the routes operated by Aircraft Operator B2 and respective CO2 emissions in selected years (excerpt from Assumption Table 2 in Exercise 1-A)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **State** | **Airline** | **From** | **To** | **CO2** (2019) | **CO2** (2020) | **CO2** (2021) | **CO2** (2024) |
| B | B2 | B | G | 54 | 59 | 63 | 80 |
| B | B2 | B | H | 54 | 59 | 63 | 80 |
| B | B2 | B | I | 54 | 59 | 63 | 80 |
| B | B2 | B | J | 54 | 59 | 63 | 80 |

*(Note: CO2 emissions without grey-highlights are from routes covered by CORSIA; CO2 emissions with grey-highlights are from routes not covered by CORSIA)*

**Assumption Table 6: Aircraft types and registration marks operated by Aircraft Operator B2**

|  |  |
| --- | --- |
| **Aircraft type** | **Aircraft registration number** |
|
| B744 | B-BCDE |
| B744 | B-BCXX |
| A320 | B-DEFG |
| A320 | B-EFYY |

Assumption Tables 5 and 6 provide information regarding the routes operated by Aircraft Operator B2 and respective CO2 emissions in selected years and the aircraft used for these operations. Now, the time for emissions reporting has come, and the State Authority needs to review the information submitted by the Aircraft Operator B2 in the Annual Emissions Report, which might include inconsistencies and errors compared to the actual operations.

**Instruction for Exercise 3**: Based on the actual information in Assumption Tables 5 and 6:

Identify 6 inconsistencies/errors contained in the Annual Emissions Report below, compared to the Aircraft Operator B2’s actual operations, with reasons.

|  |  |  |
| --- | --- | --- |
|  | **Inconsistency/error** | **Reason** |
| 1 | 2.A:B744: wrong registration mark | Wrong/not updated fleet information, typo |
| 2 | 2.A: B-DEFG: wrong a/c type | Wrong/not updated fleet information, typo |
| 3 | 3.A: Total CO2 emissions from international aviation (t CO2) not correct | Not all routes from section 3.D have been summed up |
| 4 | 3.B: Total CO2 emissions to be offset under the CORSIA not correct | Not all routes covered by CORSIA are included into the calculation |
| 5 | 3.C: Number of flights: Route B-G should be covered by CORSIA | Outdated information regarding the participating States |
| 6 | 3.D: CO2 emissions: Route B-G should be covered by CORSIA | Outdated information regarding the participating States |

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|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| C:\Users\jlaukia\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\MOLURRRN\France_road_sign_A14.svg[1].png**ANNUAL EMISSIONS REPORT** | | | | | | | | | | | | |
| 1. information on Aircraft Operator | | | | | | | | | | | | |
|  |  |  |  | |  |  | |  | |  | |  |
| A | Aircraft Operator name | | | | B2 Airlines | | | | | | |  |
|  |  |  |  | |  |  | |  | |  | |  |
| B | Reporting year | | | | 2024 operations | | | | | | |  |
|  |  |  |  | |  |  | |  | |  | |  |
| 2. Fleet and Operations Data | | | | | | | | | | | | |
| A | Aircraft types, number of aircraft and registration numbers that have been used for international operations during the reporting period | | | | | | | | | | | |
|  |  |  |  | | **Aircraft type** | | | | **Registration marks** | | |  |
|  |  |  |  | |  |
|  |  |  |  | | B744 | | | | B-BCDE | | |  |
|  |  |  |  | | B744 | | | | B-CDEF (should be B-BCXX) | | |  |
|  |  |  |  | | A340 (should be A320) | | | | B-DEFG | | |
|  |  |  |  | | A320 | | | | B-EFYY | | |  |
| B | Fuel(s) used during the reporting period | | | | | | | | | | | |
|  |  |  |  | | Jet A1 (emissions factor of 1 t of fuel = 3.16 t of CO2) | | | | | | |  |
|  |  |  |  | |  |  | |  | |  | |  |
| 3. Emissions Information | | | | | | | | | | | | |
| A | Total CO2 emissions from international aviation (t CO2) | | | | | | |  | |  | |  |
|  |  |  |  | | 216 (should be 320) | | | | | | |  |
| B | Total CO2 emissions covered by CORSIA (t CO2) | | | | | | | | |  | |  |
|  |  |  |  | | 80 (should be 160) | | | | | | |  |
| C | Number of flights by country pair | | | | | | |  | |  | |
|  | **State of origin** | | | **State of arrival** | | | **Number of flights** | | | | **Route covered by CORSIA?** |  |
|  | B | | | G | | | 25 | | | | No (should be Yes) |  |
|  | B | | | H | | | 25 | | | | No |
|  | B | | | I | | | 25 | | | | Yes |  |
|  | B | | | J | | | 25 | | | | No |  |
| D | CO2 emissions by country pair | | | |  |  | |  | |  | |  |
|  | **State of origin** | | | **State of arrival** | | | **CO2 emissions** | | | | **Route covered by CORSIA?** |  |
|  | B | | | G | | | 80 | | | | No (should be Yes) |  |
|  | B | | | H | | | 80 | | | | No |
|  | B | | | I | | | 80 | | | | Yes |  |
|  | B | | | J | | | 80 | | | | No |  |
|  |  | | |  | | |  | | | |  |  |

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— END —