

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

The following classification changes will be effected by this Notice of Changes:

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	G08G	5/0004, 5/0008, 5/0013, 5/0017, 5/0021, 5/0026, 5/003, 5/0034, 5/0039, 5/0043, 5/0047, 5/0052, 5/0056, 5/006, 5/0065, 5/0069, 5/0073, 5/0078, 5/0082, 5/0086, 5/0091, 5/0095, 5/02, 5/025, 5/04, 5/045, 5/06, 5/065
Symbols New:	G08G	5/20, 5/21, 5/22, 5/23, 5/24, 5/25, 5/26, 5/265, 5/27, 5/30, 5/32, 5/34, 5/36, 5/38, 5/50, 5/51, 5/52, 5/53, 5/54, 5/55, 5/56, 5/57, 5/58, 5/59, 5/70, 5/72, 5/723, 5/727, 5/74, 5/76, 5/78, 5/80, 5/90
Titles Changed:	G08G	5/00
Warnings New:	G08G	5/00, 5/20, 5/23, 5/24, 5/26, 5/265, 5/27, 5/30, 5/36, 5/38, 5/50, 5/51, 5/52, 5/53, 5/54, 5/55, 5/56, 5/57, 5/58, 5/59, 5/70, 5/72, 5/76, 5/78, 5/90
Notes New:	G08G	5/50
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	G08G	5/0004, 5/0017, 5/0043, 5/0047, 5/0052, 5/0073, 5/0078, 5/0082, 5/0086, 5/0091, 5/02, 5/025, 5/04, 5/045, 5/06
Definitions New:	G08G	5/20, 5/50, 5/51, 5/53, 5/54, 5/56, 5/70, 5/76, 5/80
Definitions Modified:	G08G	5/00

The following subclasses/groups are also impacted by this Notice of Changes (indicate subclasses/groups outside of the project scope, such as those listed in the CRL): G01C 23/005, G01S 13/91, G01W, G05D 1/60, H04L 67/12

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G08G – Traffic Control Systems

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	G08G 5/00	0	Traffic control systems for aircraft	G08G 5/00, G08G 5/50, G08G 5/90
D	G08G 5/0004	1	{Transmission of traffic-related information to or from an aircraft (airborne radio transmission systems in general H04B 7/185; airborne wireless networks H04W 84/06)}	<administrative transfer to G08G 5/20>
D	G08G 5/0008	2	{with other aircraft}	<administrative transfer to G08G 5/25>
D	G08G 5/0013	2	{with a ground station}	<administrative transfer to G08G 5/26>
D	G08G 5/0017	1	{Arrangements for implementing traffic-related aircraft activities, e.g. arrangements for generating, displaying, acquiring or managing traffic information (head-up displays G02B 27/01; ground or aircraft-carrier-deck installations B64F)}	<administrative transfer to G08G 5/20>
D	G08G 5/0021	2	{located in the aircraft}	<administrative transfer to G08G 5/21>
D	G08G 5/0026	2	{located on the ground}	<administrative transfer to G08G 5/22>
D	G08G 5/003	1	{Flight plan management}	<administrative transfer to G08G 5/30>
D	G08G 5/0034	2	{Assembly of a flight plan}	<administrative transfer to G08G 5/32>
D	G08G 5/0039	2	{Modification of a flight plan}	<administrative transfer to G08G 5/34>
D	G08G 5/0043	1	{Traffic management of multiple aircrafts from the ground (G08G 5/003 takes precedence; data processing specially designed for resource management, e.g. scheduling or allocating time, human or machine resources G06Q 10/06)}	<administrative transfer to G08G 5/56>
D	G08G 5/0047	1	{Navigation or guidance aids for a single aircraft (details of equipment G08G 5/0017)}	<administrative transfer to G08G 5/50 and G08G 5/55 ADD simultaneously>
D	G08G 5/0052	2	{for cruising (combined instruments indicating more than one navigational value G01C 23/00)}	<administrative transfer to G08G 5/53 and G08G 5/55 ADD simultaneously>

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
D	G08G5/0056	2	{in an emergency situation, e.g. hijacking}	<administrative transfer to G08G5/55 and G08G5/58 ADD simultaneously>
D	G08G5/006	2	{in accordance with predefined flight zones, e.g. to a void prohibited zones}	<administrative transfer to G08G5/55 and G08G5/59 ADD simultaneously>
D	G08G5/0065	2	{for taking-off}	<administrative transfer to G08G5/52 and G08G5/55 ADD simultaneously>
D	G08G5/0069	2	{specially adapted for an unmanned aircraft}	<administrative transfer to G08G5/55 and G08G5/57 ADD simultaneously>
D	G08G5/0073	1	{Surveillance aids (scene image recognition G06V20/00)}	<administrative transfer to G08G5/70>
D	G08G5/0078	2	{for monitoring traffic from the aircraft (radar or analogous systems specially adapted for traffic control G01S13/91)}	<administrative transfer to G08G5/723>
D	G08G5/0082	2	{for monitoring traffic from a ground station (radar or analogous systems specially adapted for traffic control G01S13/91)}	<administrative transfer to G08G5/727>
D	G08G5/0086	2	{for monitoring terrain (radar or analogous systems specially adapted for terrain avoidance G01S13/935)}	<administrative transfer to G08G5/74>
D	G08G5/0091	2	{for monitoring atmospheric conditions (radar or analogous systems specially adapted for meteorological use G01S13/95; meteorology G01W)}	<administrative transfer to G08G5/76>
D	G08G5/0095	1	{Aspects of air-traffic control not provided for in the other subgroups of this main group}	<administrative transfer to G08G5/00>
D	G08G5/02	1	Automatic {approach or} landing aids, i.e. systems in which flight data of incoming planes are processed to provide landing data (landing aids fitted in or to aircraft B64D45/04; visual or acoustic landing aids B64F1/18)	<administrative transfer to G08G5/54>
D	G08G5/025	2	{Navigation or guidance aids (radar or analogous systems specially adapted for landing purposes G01S13/913)}	<administrative transfer to G08G5/54>
D	G08G5/04	1	Anti-collision systems	<administrative transfer to G08G5/80>

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
D	G08G 5/045	2	{Navigation or guidance aids, e.g. determination of anti-collision manoeuvres (radar or analogous systems specially adapted for anti-collision between aircraft G01S 13/933)}	<administrative transfer to G08G 5/80>
D	G08G 5/06	1	for control when on the ground	<administrative transfer to G08G 5/51>
D	G08G 5/065	2	{Navigation or guidance aids, e.g. for taxiing or rolling}	<administrative transfer to G08G 5/51>
Q	G08G 5/20	1	Arrangements for acquiring, generating, sharing or displaying traffic information (arrangements for monitoring traffic G08G 5/72)	G08G 5/20, G08G 5/23, G08G 5/24, G08G 5/27
N	G08G 5/21	2	located onboard the aircraft	
N	G08G 5/22	2	located on the ground	
N	G08G 5/23	2	Details of user output interfaces, e.g. information presented	
N	G08G 5/24	2	Details of user input interfaces, e.g. use of speech recognition or specific text formats	
N	G08G 5/25	2	Transmission of traffic-related information between aircraft	
Q	G08G 5/26	2	Transmission of traffic-related information between aircraft and ground stations	G08G 5/26, G08G 5/265
N	G08G 5/265	3	for managing air traffic control [ATC] clearance	
N	G08G 5/27	2	for managing network coverage, e.g. ensuring transmission connections for UAVs	
Q	G08G 5/30	1	Flight plan management	G08G 5/30, G08G 5/36, G08G 5/38
N	G08G 5/32	2	for flight plan preparation	
N	G08G 5/34	2	for flight plan modification	
N	G08G 5/36	2	for identification of authorised pilots	
N	G08G 5/38	2	for identification of landing sites, e.g. of diversion airports	
N	G08G 5/50	1	Navigation or guidance aids	
Q	G08G 5/51	2	for control when on the ground, e.g. taxiing or rolling	G08G 5/51, G08G 5/55, G08G 5/56, G08G 5/57
N	G08G 5/52	2	for take-off	
N	G08G 5/53	2	for cruising	
Q	G08G 5/54	2	for approach or landing	G08G 5/54, G08G 5/55, G08G 5/56, G08G 5/57
N	G08G 5/55	2	for a single aircraft	

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

Type*	Symbol	Indent Level Number of dots (e.g. 0, 1, 2)	Title “CPC only” text should normally be enclosed in {curly brackets}**	Transferred to#
Q	G08G5/56	2	for two or more aircraft	G08G 5/50, G08G 5/51, G08G 5/52, G08G 5/53, G08G 5/54, G08G 5/56, G08G 5/57, G08G 5/58, G08G 5/59
N	G08G5/57	2	for unmanned aircraft	
N	G08G5/58	2	for emergency situations, e.g. hijacking or bird strikes	
N	G08G5/59	2	in accordance with predefined flight zones, e.g. to avoid prohibited zones	
Q	G08G5/70	1	Arrangements for monitoring traffic-related situations or conditions	G08G 5/70, G08G 5/72, G08G 5/78
N	G08G5/72	2	for monitoring traffic	
N	G08G5/723	3	{from the aircraft}	
N	G08G5/727	3	{from a ground station}	
N	G08G5/74	2	for monitoring terrain	
Q	G08G5/76	2	for monitoring atmospheric conditions	G08G 5/76, G08G 5/78
N	G08G5/78	2	for monitoring wake turbulence	
N	G08G5/80	1	Anti-collision systems	
N	G08G5/90	1	specially adapted for urban air mobility [UAM]	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level and title are required for all types.
- “Transferred to” column must be completed for all C, D, F and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalisation projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

B. New, Modified or Deleted Warning(s)

SUBCLASS G08G – Traffic Control Systems

Type	Location	Old warning	New warning
N	G08G 5/00		Group G08G 5/00 is impacted by reclassification into groups G08G 5/50 and G08G 5/90. Groups G08G 5/00, G08G 5/50 and G08G 5/90 should be considered in order to perform a complete search.
N	G08G 5/20		Group G08G 5/20 is impacted by reclassification into groups G08G 5/23, G08G 5/24 and G08G 5/27. All groups listed in this Warning should be considered in order to perform a complete search.
N	G08G 5/23		Group G08G 5/23 is incomplete pending reclassification of documents from group G08G 5/20. Groups G08G 5/20 and G08G 5/23 should be considered in order to perform a complete search.
N	G08G 5/24		Group G08G 5/24 is incomplete pending reclassification of documents from group G08G 5/20. Groups G08G 5/20 and G08G 5/24 should be considered in order to perform a complete search.
N	G08G 5/26		Group G08G 5/26 is impacted by reclassification into group G08G 5/265. Groups G08G 5/26 and G08G 5/265 should be considered in order to perform a complete search.
N	G08G 5/265		Group G08G 5/265 is incomplete pending reclassification of documents from group G08G 5/26. Groups G08G 5/26 and G08G 5/265 should be considered in order to perform a complete search.
N	G08G 5/27		Group G08G 5/27 is incomplete pending reclassification of documents from group G08G 5/20. Groups G08G 5/20 and G08G 5/27 should be considered in order to perform a complete search.
N	G08G 5/30		Group G08G 5/30 is impacted by reclassification into groups G08G 5/36 and G08G 5/38. Groups G08G 5/30, G08G 5/36 and G08G 5/38 should be considered in order to perform a complete search.
N	G08G 5/36		Group G08G 5/36 is incomplete pending reclassification of documents from group G08G 5/30. Groups G08G 5/30 and G08G 5/36 should be considered in order to perform a complete search.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

N	G08G 5/38		<p>Group G08G 5/38 is incomplete pending reclassification of documents from group G08G 5/30.</p> <p>Groups G08G 5/30 and G08G 5/38 should be considered in order to perform a complete search.</p>
N	G08G 5/50		<p>Group G08G 5/50 is incomplete pending reclassification of documents from groups G08G 5/00 and G08G 5/56.</p> <p>Groups G08G 5/00, G08G 5/56 and G08G 5/50 should be considered in order to perform a complete search.</p>
N	G08G 5/51		<p>Group G08G 5/51 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Group G08G 5/51 is also impacted by reclassification into groups G08G 5/55, G08G 5/56 and G08G 5/57.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G08G 5/52		<p>Group G08G 5/52 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Groups G08G 5/56 and G08G 5/52 should be considered in order to perform a complete search.</p>
N	G08G 5/53		<p>Group G08G 5/53 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Groups G08G 5/56 and G08G 5/53 should be considered in order to perform a complete search.</p>
N	G08G 5/54		<p>Group G08G 5/54 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Group G08G 5/54 is also impacted by reclassification into groups G08G 5/55, G08G 5/56 and G08G 5/57.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G08G 5/55		<p>Group G08G 5/55 is incomplete pending reclassification of documents from groups G08G 5/51 and G08G 5/54.</p> <p>Groups G08G 5/51, G08G 5/54 and G08G 5/55 should be considered in order to perform a complete search.</p>
N	G08G 5/56		<p>Group G08G 5/56 is incomplete pending reclassification of documents from groups G08G 5/51 and G08G 5/54.</p> <p>Group G08G 5/56 is also impacted by reclassification into groups G08G 5/50, G08G 5/51, G08G 5/52, G08G 5/53, G08G 5/54, G08G 5/57, G08G 5/58 and G08G 5/59.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

N	G08G 5/57		<p>Group G08G 5/57 is incomplete pending reclassification of documents from groups G08G 5/51, G08G 5/54 and G08G 5/56.</p> <p>All groups listed in this Warning should be considered in order to perform a complete search.</p>
N	G08G 5/58		<p>Group G08G 5/58 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Groups G08G 5/56 and G08G 5/58 should be considered in order to perform a complete search.</p>
N	G08G 5/59		<p>Group G08G 5/59 is incomplete pending reclassification of documents from group G08G 5/56.</p> <p>Groups G08G 5/56 and G08G 5/59 should be considered in order to perform a complete search.</p>
N	G08G 5/70		<p>Group G08G 5/70 is impacted by reclassification into groups G08G 5/72 and G08G 5/78.</p> <p>Groups G08G 5/70, G08G 5/72 and G08G 5/78 should be considered in order to perform a complete search.</p>
N	G08G 5/72		<p>Group G08G 5/72 is incomplete pending reclassification of documents from group G08G 5/70.</p> <p>Groups G08G 5/70 and G08G 5/72 should be considered in order to perform a complete search.</p>
N	G08G 5/76		<p>Group G08G 5/76 is impacted by reclassification into group G08G 5/78.</p> <p>Groups G08G 5/76 and G08G 5/78 should be considered in order to perform a complete search.</p>
N	G08G 5/78		<p>Group G08G 5/78 is incomplete pending reclassification of documents from groups G08G 5/70 and G08G 5/76.</p> <p>Groups G08G 5/70, G08G 5/76 and G08G 5/78 should be considered in order to perform a complete search.</p>
N	G08G 5/90		<p>Group G08G 5/90 is incomplete pending reclassification of documents from group G08G 5/00.</p> <p>Groups G08G 5/00 and G08G 5/90 should be considered in order to perform a complete search.</p>

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

C. New, Modified or Deleted Note(s)

SUBCLASS G08G – Traffic Control Systems

<u>Type*</u>	<u>Location</u>	<u>Old Note</u>	<u>New/Modified Note</u>
N	G08G 5/50		When classifying in this group, each aspect relating to flight phases should be classified in subgroups G08G 5/51 - G08G 5/54, whereas each aspect relating to the type of aircraft should be classified in subgroups G08G 5/55 - G08G 5/57.

*N = new note, M = modified note, D = deleted note

NOTE: The "Location" column only requires the symbol PRIOR to the location of the note. No further directions such as "before" or "after" are required.

DATE: JANUARY 1, 2025

PROJECT RP12334

2. A. DEFINITIONS (new)

Insert: The following new Definitions.

G08G5/20

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Arrangements or adaptations of instruments	B64D 43/00
Arrangements or adaptations of instruments for indicating aircraft speed or stalling conditions	B64D 43/02
Ground or aircraft-carrier-deck-installations	B64F
Head-up displays	G02B 27/01
Airborne radio transmission systems in general	H04B 7/185
Airborne network topologies	H04W 84/06

G08G5/50

Definition statement

This place covers:

Navigation aids within the aircraft to help the pilots in a determined flight situation.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

Arrangements for acquiring, generating, sharing or displaying traffic information	G08G 5/20
Position-fixing by co-ordinating two or more direction or position line determinations; Position-fixing by co-ordinating two or more distance determinations	G01S 2205/00
Transmission of position information to remote stations	G01S2205/001
Transmission of position information to remote stations for traffic control, mobile tracking, guidance, surveillance or anti-collision	G01S 2205/002
Transmission of position information to remote stations for aircraft positioning relative to the ground	G01S 2205/003
Transmission of position information to remote stations for aircraft positioning relative to other aircraft	G01S 2205/005

G08G5/51

Definition statement

This place covers:

Arrangements, located in the aircraft or on the ground, for controlling aircraft when on the ground, i.e. on the airport grounds.

Applications when both aircraft and ground vehicles are involved on the ground.

Relationships with other classification places

Overall dispatching of a cab which is covered by [G08G 1/202](#).

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Ground or aircraft-carrier-deck-installations	B64F 1/00
Arrangement of optical beacons	B64F 1/20

DATE: JANUARY 1, 2025

PROJECT RP12334

G08G5/53

Definition statement

This place covers:

Cruising, excluding landing, taking-off and taxiing phases.

G08G5/54

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Alighting gear for aircraft/brakes/hooks	B64C 25/00
Aircraft indicators specially adapted to indicate the position of a movable element of the aircraft, e.g. landing gear	B64D 45/0005
Ground or aircraft-carrier-deck-installations	B64F 1/00
Radar or analogous systems specially adapted for traffic control for landing purposes	G01S 13/913
Program switching	G06F 9/48

G08G5/56

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Information and communication technology [ICT] specially adapted for resource management, e.g. scheduling or allocating time, human or machine resources	G06Q 10/06
--	------------

DATE: JANUARY 1, 2025

PROJECT RP12334

G08G5/70**References*****Informative references***

Attention is drawn to the following places, which may be of interest for search:

Systems using the reflection or reradiation of radio waves	G01S 13/00
Systems using reradiation of radio waves, e.g. secondary radar systems; Analogous systems	G01S 13/74
Secondary surveillance radar [SSR] in general	G01S 13/781
Image or video recognition or understanding of scenes	G06V 20/00

G08G5/76**Definition statement**

This place covers:

Monitoring of vortices in air traffic-related situations or conditions.

References***Informative references***

Attention is drawn to the following places, which may be of interest for search:

Radar or analogous systems specially adapted for meteorological use	G01S 13/95
Meteorology	G01W 1/00

DATE: JANUARY 1, 2025

PROJECT RP12334

G08G5/80**Definition statement***This place covers:*

Arrangements, located in the aircraft or on the ground, for warning the crew about a collision to be avoided with other aircraft or flying entities.

Anti-collision systems where manoeuvre instructions are given to the pilots to avoid collision and not limited to a warning indication.

References***Informative references****Attention is drawn to the following places, which may be of interest for search:*

Landing aids fitted in or to aircraft; Safety measures fitted in or to aircraft to prevent collision with earth's surface	B64D 45/04
Measuring height (altimeters for aircraft)	G01C 5/005
Contour matching (correction of navigation data)	G01C 21/005
Indicating value of two or more variables simultaneously	G01D 7/02
Radar for anti-collision between aircraft	G01S 13/933
Radars for terrain avoidance systems	G01S 13/935
Control of attitude to ensure stability	G05D 1/495
Obstacle avoidance by following the obstacle profile, e.g. a wall or undulated terrain	G05D 1/628

2. A. DEFINITIONS (Modified)

G08G5/00

Replace: The first paragraph of the Definition statement with the following updated paragraph.

Definition statement

Arrangements, located in the aircraft or on the ground, for controlling aircraft within a traffic environment, and anti-collision systems.

Insert: The following new Relationships section.

Relationships with other classification places

Details of data transmission are covered by subclasses [H04B](#), [H04W](#) or [H04L](#).

Details of onboard equipment are covered by groups [G02B 27/00](#), [H01Q 1/00](#), [G01C 23/00](#), [G06F 3/00](#) or [B64D 47/00](#).

Details of ground equipment are covered by groups [B64F 1/00](#) or [G01S 13/00](#).

Details of route searching are covered by group [G01C 21/00](#).

Details of drone applications are covered by groups [B64C 39/00](#) or [B64D 1/00](#).

Details of land aids are covered by groups [B64D 45/00](#) or [B60T 8/00](#).

Details of control of positioning of aircraft is covered by group [G05D 1/00](#).

References

Delete: The entire Limiting references section.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

Replace: The existing Informative references table with the following updated table.

Informative references

Handover processes for autonomous road vehicles	B60W 60/005
Mechanical aspects of equipment for fitting in or to aircraft combined instruments indicating more than one navigational value	B64D
Refuelling during flight	B64D 39/00
Aircraft indicators	B64D 45/00
Devices specially adapted for the protection against criminal attack, e.g. anti-hijacking systems	B64D 45/0015
Ground installations (lighting, etc.)	B64F
Visual or acoustic landing aids on the ground or on aircraft-carrier decks	B64F 1/18
Combined instruments indicating more than one navigational value, e.g. for aircraft; Combined measuring devices for measuring two or more variables of movement, e.g. distance, speed, acceleration	G01C 23/00
Flight directors	G01C 23/005
GPS	G01S 5/145
Radar for traffic control	G01S 13/91
Radar for anti-collision	G01S 13/93
Radar for meteorological use mounted on aircraft	G01S 13/953
Lidar systems between aircrafts	G01S 17/933
Control of position, course, altitude or attitude of land, water, air or space vehicles, e.g. using automatic pilots	G05D 1/00
Control of position or course in two dimensions	G05D 1/43
Control of position or course in two dimensions for aircraft during their ground movement, e.g. taxiing	G05D 1/437
Control of altitude or depth	G05D 1/48
Control of attitude	G05D 1/49

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

Arrangements for reacting to or preventing system or operator failure	G05D 1/80
Handing over between on-board automatic and on-board manual control	G05D 1/81
Optimisation of routes	G06Q 10/047
Airborne radio transmission systems	H04B 7/185
Radio transmission via aircrafts	H04B 7/185
Real-time session management in data packet switching networks	H04L 65/1066
Session management in data packet switching networks	H04L 67/14
Airborne wireless networks	H04W 84/06

Insert: The following new Special rules section.

Special rules of classification

Each document classified in G08G 5/00 should be classified according to the phase of flight described in the document: G08G 5/51 for taxiing or rolling, G08G 5/52 for take-off, G08G 5/53 for cruising or G08G 5/54 for landing.

Documents related to emergency landing should be concurrently classified in G08G 5/34, G08G5/54 and G08G 5/58 if aspects covered by these groups, related to emergency landing, are disclosed by the document.

Replace: The Glossary of terms table with the following updated table.

Glossary of terms

air traffic control (ATC)	is a service provided by ground-based controllers who direct aircraft on the ground and in the air
TCAS	traffic collision avoidance system or traffic alert and collision avoidance system

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
G08G 5/0004			Delete entire definition
G08G 5/0017			Delete entire definition
G08G 5/0043			Delete entire definition
G08G 5/0047			Delete entire definition
G08G 5/0052			Delete entire definition
G08G 5/0073			Delete entire definition
G08G 5/0078			Delete entire definition
G08G 5/0082			Delete entire definition
G08G 5/0086			Delete entire definition
G08G 5/0091			Delete entire definition
G08G 5/02			Delete entire definition
G08G 5/025			Delete entire definition
G08G 5/04			Delete entire definition
G08G 5/045			Delete entire definition
G08G 5/06			Delete entire definition

Notes:

Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
C	G08G 5/00	G08G 5/00, G08G 5/50, G08G 5/90
D	G08G 5/0004	<administrative transfer to G08G 5/20>
D	G08G 5/0008	<administrative transfer to G08G 5/25>
D	G08G 5/0013	<administrative transfer to G08G 5/26>
D	G08G 5/0017	<administrative transfer to G08G 5/20>
D	G08G 5/0021	<administrative transfer to G08G 5/21>
D	G08G 5/0026	<administrative transfer to G08G 5/22>
D	G08G 5/003	<administrative transfer to G08G 5/30>
D	G08G 5/0034	<administrative transfer to G08G 5/32>
D	G08G 5/0039	<administrative transfer to G08G 5/34>
D	G08G 5/0043	<administrative transfer to G08G 5/56>
D	G08G 5/0047	<administrative transfer to G08G 5/50 and G08G 5/55 ADD simultaneously>
D	G08G 5/0052	<administrative transfer to G08G 5/53 and G08G 5/55 ADD simultaneously>
D	G08G 5/0056	<administrative transfer to G08G 5/55 and G08G 5/58 ADD simultaneously>
D	G08G 5/006	<administrative transfer to G08G 5/55 and G08G 5/59 ADD simultaneously>
D	G08G 5/0065	<administrative transfer to G08G 5/52 and G08G 5/55 ADD simultaneously>
D	G08G 5/0069	<administrative transfer to G08G 5/55 and G08G 5/57 ADD simultaneously>
D	G08G 5/0073	<administrative transfer to G08G 5/70>
D	G08G 5/0078	<administrative transfer to G08G 5/723>
D	G08G 5/0082	<administrative transfer to G08G 5/727>
D	G08G 5/0086	<administrative transfer to G08G 5/74>
D	G08G 5/0091	<administrative transfer to G08G 5/76>
D	G08G 5/0095	<administrative transfer to G08G 5/00>
D	G08G 5/02	<administrative transfer to G08G 5/54>
D	G08G 5/025	<administrative transfer to G08G 5/54>
D	G08G 5/04	<administrative transfer to G08G 5/80>
D	G08G 5/045	<administrative transfer to G08G 5/80>
D	G08G 5/06	<administrative transfer to G08G 5/51>
D	G08G 5/065	<administrative transfer to G08G 5/51>
Q	G08G 5/20	G08G 5/20, G08G 5/23, G08G 5/24, G08G 5/27
Q	G08G 5/26	G08G 5/26, G08G 5/265
Q	G08G 5/30	G08G 5/30, G08G 5/36, G08G 5/38
Q	G08G 5/51	G08G 5/51, G08G 5/55, G08G 5/56, G08G 5/57
Q	G08G 5/54	G08G 5/54, G08G 5/55, G08G 5/56, G08G 5/57
Q	G08G 5/56	G08G 5/50, G08G 5/51, G08G 5/52, G08G 5/53, G08G 5/54, G08G 5/56, G08G 5/57, G08G 5/58, G08G 5/59
Q	G08G 5/70	G08G 5/70, G08G 5/72, G08G 5/78
Q	G08G 5/76	G08G 5/76, G08G 5/78

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”)symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G08G 5/0004		DELETE
G08G 5/0008		DELETE
G08G 5/0013		DELETE
G08G 5/0017		DELETE
G08G 5/0021		DELETE
G08G 5/0026		DELETE
G08G 5/003		DELETE
G08G 5/0034		DELETE
G08G 5/0039		DELETE
G08G 5/0043		DELETE
G08G 5/0047		DELETE
G08G 5/0052		DELETE
G08G 5/0056		DELETE
G08G 5/006		DELETE
G08G 5/0065		DELETE
G08G 5/0069		DELETE
G08G 5/0073		DELETE
G08G 5/0078		DELETE
G08G 5/0082		DELETE
G08G 5/0086		DELETE
G08G 5/0091		DELETE
G08G 5/0095		DELETE
G08G 5/02		DELETE
G08G 5/025		DELETE
G08G 5/04		DELETE
G08G 5/045		DELETE
G08G 5/06		DELETE
G08G 5/065		DELETE
G08G 5/20	G08G 5/20	NEW
G08G 5/21	G08G 5/21	NEW
G08G 5/22	G08G 5/22	NEW
G08G 5/23	G08G 5/23	NEW
G08G 5/24	G08G 5/24	NEW
G08G 5/25	G08G 5/25	NEW
G08G 5/26	G08G 5/26	NEW
G08G 5/265	G08G 5/265	NEW
G08G 5/27	G08G 5/27	NEW
G08G 5/30	G08G 5/30	NEW
G08G 5/32	G08G 5/32	NEW
G08G 5/34	G08G 5/34	NEW
G08G 5/36	G08G 5/36	NEW
G08G 5/38	G08G 5/38	NEW
G08G 5/50	G08G 5/50	NEW

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G08G 5/51	G08G 5/51	NEW
G08G 5/52	G08G 5/52	NEW
G08G 5/53	G08G 5/53	NEW
G08G 5/54	G08G 5/54	NEW
G08G 5/55	G08G 5/55	NEW
G08G 5/56	G08G 5/56	NEW
G08G 5/57	G08G 5/57	NEW
G08G 5/58	G08G 5/58	NEW
G08G 5/59	G08G 5/59	NEW
G08G 5/70	G08G 5/70	NEW
G08G 5/72	G08G 5/72	NEW
G08G 5/723	G08G 5/72	NEW
G08G 5/727	G08G 5/72	NEW
G08G 5/74	G08G 5/74	NEW
G08G 5/76	G08G 5/76	NEW
G08G 5/78	G08G 5/78	NEW
G08G 5/80	G08G 5/80	NEW
G08G 5/90	G08G 5/90	NEW

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.

CPC NOTICE OF CHANGES 1684

DATE: JANUARY 1, 2025

PROJECT RP12334

5. CROSS-REFERENCE LIST (CRL)

Definitions references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Section of definition</u>	<u>Action; New reference symbol; New text</u>
G01C 23/005	G08G 5/0047	Informative references	G08G 5/55
G01C 23/005	G08G 5/04	Informative references	G08G 5/80
G01S 13/91	G08G 5/0082	Informative references	G08G 5/727
G01W	G08G 5/0091	Informative references	G08G 5/76
G05D 1/60	G08G 5/04	Informative references	G08G 5/80
H04L 67/12	G08G 5/00	Informative references	New text: Traffic control systems for aircraft

NOTES:

- The CRL tables above are used for changes to locations **outside** of the project scope. Changes to references in scheme titles or definitions **inside** the project scope will be reflected in the “scheme change” template or one of the “definition” templates.
- In addition to other changes proposed in the tables above, in the column titled “Referenced subclass or group to be changed,” **referenced** D symbols should indicate an action of “delete” or should indicate a replacement symbol and **referenced** F symbols should indicate a replacement symbol.
- When a reference is deleted, text related to that reference will also be deleted unless other references or a range of references associated with the same text remain.