

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

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:	G02B	27/22, 27/2207, 27/2214, 27/2221, 27/2228, 27/2235, 27/2242, 27/225, 27/2257, 27/2264, 27/2271, 27/2278, 27/2285, 27/2292, 27/24, 27/26
Symbols New:	G02B	30/00, 30/10, 30/20, 30/22, 30/23, 30/24, 30/25, 30/26, 30/27, 30/28, 30/29, 30/30, 30/31, 30/32, 30/33, 30/34, 30/35, 30/36, 30/37, 30/40, 30/50, 30/52, 30/54, 30/56, 30/60
Titles Changed:	G02B	3/0068
	G02B	27/00, 27/02, 27/28
Warnings New:	G02B	30/00, 30/10, 30/20, 30/22, 30/26, 30/28, 30/29, 30/30, 30/31, 30/32, 30/33
DEFINITIONS:		
Definitions Modified:	G02B	SUBCLASS
	G02B	27/00, 27/01

The following subclasses/groups are also impacted by this Notice of Changes: G02C, G03H, G06F, G09F, G09G, H04N

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 773

DATE: JANUARY 1, 2020

PROJECT RP0651

1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS (...)

<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>
M	G02B 3/0068	4	{arranged in a single integral body or plate, e.g. laminates or hybrid structures with other optical elements (G02B5/1885, G02B17/002, G02B 30/27 take precedence)}	
M	G02B 27/00	0	Optical systems or apparatus not provided for by any of the groups G02B 1/00 - G02B 26/00, G02B 30/00	
M	G02B 27/02	1	Viewing or reading apparatus (stereoscopic systems G02B 30/00; of the projection type G03B; slide-changing apparatus G03B)	
D	G02B 27/22	1	for producing stereoscopic or other three dimensional effects (in microscopes G02B 21/22; viewing apparatus G02B 27/02; stereoscopic television H04N 13/00)	<Administrative transfer to G02B 30/00>
D	G02B 27/2207	2	{stereoscopic devices based on anaglyph techniques}	<Administrative transfer to G02B 30/23>
D	G02B 27/2214	2	{involving lenticular arrays or parallax barriers}	<Administrative transfer to G02B 30/27>
D	G02B 27/2221	2	{giving the psychological impression of depth to the observer of a single two dimensional image}	<Administrative transfer to G02B 30/40>
D	G02B 27/2228	2	{Stereoscopes or similar systems based on providing first and second images situated at first and second locations, said images corresponding to parallaxically displaced views of the same object, and presenting the first and second images to an observer's left and right eyes respectively (G02B27/2207, G02B27/2264, G02B27/26 take precedence)}	<Administrative transfer to G02B 30/34>
D	G02B 27/2235	3	{including reflecting surfaces in the optical path between the images and the observer}	<Administrative transfer to G02B 30/35>
D	G02B 27/2242	3	{including refractive beam deviating means, e.g. wedges, prisms, in the optical path between the images and the observer}	<Administrative transfer to G02B 30/36>
D	G02B 27/225	3	{of the autostereoscopic type, i.e. left and right images projected to the left and right eyes of an observer who is not required to view the images through optical systems placed adjacent to the eyes (autostereoscopic systems involving lenticular arrays or parallax barriers G02B 27/2214)}	<Administrative transfer to G02B 30/26>

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

<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	G02B 27/2257	3	{Collapsible stereoscopes}	<Administrative transfer to G02B 30/37>
D	G02B 27/2264	2	{involving time multiplexing, e.g. using sequentially activated left and right shutters}	<Administrative transfer to G02B 30/24>
D	G02B 27/2271	2	{the image being built up from image elements distributed over a three dimensional volume, e.g. by scanning the volume with modulated beams of radiation}	<Administrative transfer to G02B 30/50>
D	G02B 27/2278	3	{the volume being constructed from a stack or sequence of two dimensional planes, e.g. depth sampling systems}	<Administrative transfer to G02B 30/52>
D	G02B 27/2285	3	{the volume being generated by a moving, e.g. vibrating or rotating, two-dimensional surface}	<Administrative transfer to G02B 30/54>
D	G02B 27/2292	3	{involving projecting an aerial or floating image}	<Administrative transfer to G02B 30/56>
D	G02B 27/24	2	involving reflecting prisms and mirrors only	<Administrative transfer to G02B 30/60>
D	G02B 27/26	2	involving polarising means	<Administrative transfer to G02B 30/25>
M	G02B 27/28	1	for polarising (used in stereoscopes G02B 30/25)	
Q	G02B 30/00	0	Optical systems or apparatus for producing three-dimensional [3D] effects, e.g. stereoscopic images (in microscopes G02B 21/22)	G02B 30/00, G02B 30/10, G02B 30/20, G02B 30/22
N	G02B 30/10	1	using integral imaging methods	
N	G02B 30/20	1	by providing first and second parallax images to an observer's left and right eyes	
N	G02B 30/22	2	of the stereoscopic type	
N	G02B 30/23	3	using wavelength separation, e.g. using anaglyph techniques	
N	G02B 30/24	3	involving temporal multiplexing, e.g. using sequentially activated left and right shutters	
N	G02B 30/25	3	using polarisation techniques	
Q	G02B 30/26	2	of the autostereoscopic type	G02B 30/26, G02B 30/28, G02B 30/29, G02B 30/30, G02B 30/31, G02B 30/32, G02B 30/33
N	G02B 30/27	3	involving lenticular arrays	
N	G02B 30/28	4	involving active lenticular arrays	
N	G02B 30/29	4	characterised by the geometry of the lenticular array, e.g. slanted arrays, irregular arrays or arrays of varying shape or size	
N	G02B 30/30	3	involving parallax barriers	
N	G02B 30/31	4	involving active parallax barriers (involving directional light or back-light sources G02B 30/33)	

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

<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>
N	G02B 30/32	4	characterised by the geometry of the parallax barriers, e.g. staggered barriers, slanted parallax arrays or parallax arrays of varying shape or size	
N	G02B 30/33	3	involving directional light or back-light sources	
N	G02B 30/34	2	Stereoscopes providing a stereoscopic pair of separated images corresponding to parallaxically displaced views of the same object, e.g. 3D slide viewers	
N	G02B 30/35	3	using reflective optical elements in the optical path between the images and the observer	
N	G02B 30/36	3	using refractive optical elements, e.g. prisms, in the optical path between the images and the observer	
N	G02B 30/37	3	Collapsible stereoscopes	
N	G02B 30/40	1	giving the observer of a single two-dimensional [2D] image a perception of depth	
N	G02B 30/50	1	the image being built up from image elements distributed over a 3D volume, e.g. voxels	
N	G02B 30/52	2	the 3D volume being constructed from a stack or sequence of 2D planes, e.g. depth sampling systems	
N	G02B 30/54	2	the 3D volume being generated by moving a 2D surface, e.g. by vibrating or rotating the 2D surface	
N	G02B 30/56	2	by projecting aerial or floating images	
N	G02B 30/60	1	involving reflecting prisms and mirrors only	

*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.

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

- 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 (“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 773

DATE: JANUARY 1, 2020

PROJECT RP0651

B. New, Modified or Deleted Warning(s)**SUBCLASS G02B – OPTICAL ELEMENTS, SYSTEMS, OR APPARATUS (...)**

<u>Type*</u>	<u>Location</u>	<u>Old Warning</u>	<u>New/Modified Warning</u>
N	G02B 30/00		Group G02B 30/00 is impacted by reclassification into groups G02B 30/10, G02B 30/20, and G02B 30/22. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 30/10		Group G02B 30/10 is incomplete pending reclassification of documents from group G02B 30/00. Groups G02B 30/00 and G02B 30/10 should be considered in order to perform a complete search.
N	G02B 30/20		Group G02B 30/20 is incomplete pending reclassification of documents from group G02B 30/00. Groups G02B 30/00 and G02B 30/20 should be considered in order to perform a complete search.
N	G02B 30/22		Group G02B 30/22 is incomplete pending reclassification of documents from group G02B 30/00. Groups G02B 30/00 and G02B 30/22 should be considered in order to perform a complete search.
N	G02B 30/26		Group G02B 30/26 is impacted by reclassification into groups G02B 30/28, G02B 30/29, G02B 30/30, G02B 30/31, G02B 30/32, and G02B 30/33. All groups listed in this Warning should be considered in order to perform a complete search.
N	G02B 30/28		Group G02B 30/28 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/28 should be considered in order to perform a complete search.
N	G02B 30/29		Group G02B 30/29 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/29 should be considered in order to perform a complete search.
N	G02B 30/30		Group G02B 30/30 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/30 should be considered in order to perform a complete search.
N	G02B 30/31		Group G02B 30/31 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/31 should be considered in order to perform a complete search.
N	G02B 30/32		Group G02B 30/32 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/32 should be considered in order to perform a complete search.
N	G02B 30/33		Group G02B 30/33 is incomplete pending reclassification of documents from group G02B 30/26. Groups G02B 30/26 and G02B 30/33 should be considered in order to perform a complete search.

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

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

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.

DATE: JANUARY 1, 2020

PROJECT RP0651

2. A. DEFINITIONS (modified)

G02B

Relationships with other classification places

Replace: the existing text with the following.

Whereas **G02B** relates to passive optics, "active" optics, i.e. where the optical properties of the material used in the optical device are altered by the application of an external field, e.g. electro-optical devices, magneto-optical devices, LCDs, is covered by **G02F**.

References

Limiting references

This place does not cover:

Replace: the existing Limiting references table with the following.

Ophthalmic lenses, e.g. spectacles	G02C
Devices or arrangements, the optical operation of which is modified by changing the optical properties of the medium of the devices or arrangements for the control of the intensity, colour, phase, polarisation or direction of light; Non-linear optics; Optical logical elements; Optical analogue / digital converters	G02F
Microwave and Terrahertz optics	H01Q

Application-oriented references:

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

Add: the following six new references to the Application-oriented references table.

Optical elements specially adapted for use in lighting devices or systems thereof	F21V 1/00-F21V 13/00
Refractors for light sources	F21V5/00
Reflectors for light sources	F21V7/00
Filters for light sources	F21V9/00
Optical rangefinders	G01C
Apparatus or arrangements for taking photographs or for projecting or viewing them	G03B

Informative references:

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

Replace: the existing Informative references table with the following.

Hand, pocket, or shaving mirrors	A45D42/00
Household mirrors	A47G1/00
Apparatus for testing the eyes	A61B3/00
Treatment for or protection of the eyes, e.g. protective goggles	A61F9/00
Optical toys	A63H33/22
Applying liquid films, e.g. spin coating	B05D1/00
Working by laser beam, e.g. welding, cutting or boring	B23K26/00
Grinding or polishing lenses or gratings	B24B13/00
Producing optical elements from plastics	B29D11/00
Layered products	B32B

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

Printing using a scanning light deflector	B41J2/471, G06K15/12
Diffraction or holographic structures on credit cards	B42D25/00
Vehicle mirrors, e.g. rear-view or side-view	B60R1/00
Optical micromechanical [MEMS] devices	B81B
Pressing lenses from molten glass	C03B11/08
Surface treatment of glass by coating	C03C17/00
Liquid crystals per se	C09K19/00
Coating in general, e.g. CVD or sputtering	C23C
Supports, stands or frames in general	F16M
Solar heat collectors	F24S
Sighting devices for weapons	F41G1/00
Interferometers	G01B9/02
Measuring microscopes	G01B9/04
Surveying	G01C
Spectrometry	G01J3/00
Testing of optical systems	G01M11/00
Optical benches	G01M11/04
Investigating or analysing materials by the use of optical means	G01N21/00
Scanning probe techniques, e.g. near field microscopy	G01Q
Systems using reflection of light e.g. lidar	G01S17/00
Spectacles, sunglasses or contact lenses	G02C
Liquid crystal displays [LCDs]	G02F1/13
Photography	G03B
Projection screens	G03B21/56
Photosensitive materials	G03C1/00
Photolithography	G03F7/00
Fourier/Laplace transform optics, correlation	G06E3/003

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

Optics of barcode scanners	G06K7/10831
Laser printers	G06K15/12, B41J2/471
Record carriers with diffractive or holographic structures	G06K19/16
Holograms on banknotes	G07D7/0032
Control arrangements or circuits for displays other than CRTs	G09G3/00
Sound lenses	G10K 11/30
Recording or reproducing by optical means, e.g. optical disks	G11B7/135
Adjusting position or attitude, e.g. level, of instruments	G12B5/00
Casings; Housings; Cabinets; Supports etc.	G12B9/00
X-ray optics, gamma ray optics	G21K1/06
Electron and ion focusing devices; X-ray "optics"	H01J
Plasma display panels	H01J17/49, H01J2217/49292
Optical arrangements associated with CRTs, e.g. AR means	H01J29/89
Electron or particle beam optics, e.g. electron microscopes	H01J37/00
Electroluminescent OLED displays	H01L27/32
Light concentrating means for solar cells	H01L31/054
Optics of microwaves or millimetre waves	H01Q15/00
Wavelength division multiplexing [WDM] systems	H04J14/02
Facsimile transmission	H04N1/00
TV cameras	H04N5/225
Projection TV	H04N5/74
Colour projection TV	H04N9/3197
Stereoscopic TV	H04N13/00
X-ray technique	H05G

DATE: JANUARY 1, 2020

PROJECT RP0651

Special rules of classification

Replace: the existing text with the following.

- The IPC groups **G02B11/00 - G02B11/34** are not used for classification of incoming documents in CPC, the subject-matter of these groups is covered by **G02B9/00** and **G02B13/00**.
- Other IPC groups which are not used for classification are:
- **G02B7/185 - G02B7/198**, which are covered by **G02B7/182**,
- **G02B27/18**, which is covered by **H04N** and **G03B**, and
- **G02B30/60**, which is covered by **G02B30/00**.

Indexing Codes in general:

Classification of additional information is mandatory. E.g., a document describing the detailed structure of a wire grid polarizer should be classified in **G02B5/3058**, whereas a document describing a display system making explicit use of a wire grid polarizer without providing structural details of the polarizer itself should be given in **G02B5/3058** as an additional invention symbol.

Indexing Codes special cases (the following additional sets of Indexing Codes are used):

- The set of Indexing Codes **G02B2207/00 - G02B2207/129** provide classification entries for "orthogonal" features, i.e. features which may arise in the field in general.
- The set of Indexing Codes under **G02B27/01** provide classification entries to cover further details of subject matter covered by **G02B27/01** and not provided for in its subgroups.

Glossary of terms

In this place, the following terms or expressions are used with the meaning indicated:

Add: the following new row to the Glossary of terms table.

Essential	Fundamental
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DATE: JANUARY 1, 2020

PROJECT RP0651

G02B27/00**References**

Delete: the entire Limiting references section.

Insert: the following new Informative references section.

Informative references

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

Showcases	A47F
Optical toys	A63H33/22
Designs or pictures characterized by special light effects	B44F1/00

Special rules of classification

Replace: the existing text with the following.

Further details of other subgroups of [G02B27/00](#), like [G02B27/10](#) through [G02B27/44](#), see the definition of [G02B27/01](#).

The following IPC group is not used for classification: [G02B27/18](#), see the relevant subclasses according to the projector type. The subclass [G02B27/20](#) is, however, used for laser pointers or the like.

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol</u> <u>or text</u>	<u>Action; New symbol; New text</u>
G02B27/01	Special rules	G02B27/22	Replace symbol with G02B 30/00
G02B27/01	Special rules	G02B27/2214	Replace symbol with G02B 30/27
G02B27/01	Special rules	G02B27/225	Replace symbol with G02B 30/26
G02B27/01	Special rules	G02B27/2271	Replace symbol with G02B 30/50
G02B27/01	Special rules	G02B27/2278	Replace symbol with G02B 30/52
G02B27/01	Special rules	G02B27/2285	Replace symbol with G02B 30/54
G02B27/01	Special rules	G02B27/2292	Replace symbol with G02B 30/56

NOTES:

- The table above is used for corrections or modifications to existing definitions, e.g. delete an entire definition or part thereof; propose new wording or modify wording of a section, change the symbol the definition is associated with, change or delete a reference symbol, etc.
- Do not delete (F) symbol definitions.

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

3. REVISION CONCORDANCE LIST (RCL)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	G02B 27/22	<Administrative transfer to G02B 30/00>
D	G02B 27/2207	<Administrative transfer to G02B 30/23>
D	G02B 27/2214	<Administrative transfer to G02B 30/27>
D	G02B 27/2221	<Administrative transfer to G02B 30/40>
D	G02B 27/2228	<Administrative transfer to G02B 30/34>
D	G02B 27/2235	<Administrative transfer to G02B 30/35>
D	G02B 27/2242	<Administrative transfer to G02B 30/36>
D	G02B 27/225	<Administrative transfer to G02B 30/26>
D	G02B 27/2257	<Administrative transfer to G02B 30/37>
D	G02B 27/2264	<Administrative transfer to G02B 30/24>
D	G02B 27/2271	<Administrative transfer to G02B 30/50>
D	G02B 27/2278	<Administrative transfer to G02B 30/52>
D	G02B 27/2285	<Administrative transfer to G02B 30/54>
D	G02B 27/2292	<Administrative transfer to G02B 30/56>
D	G02B 27/24	<Administrative transfer to G02B 30/60>
D	G02B 27/26	<Administrative transfer to G02B 30/25>
Q	G02B 30/00	G02B 30/00, G02B 30/10, G02B 30/20, G02B 30/22
Q	G02B 30/26	G02B 30/26, G02B 30/28, G02B 30/29, G02B 30/30, G02B 30/31, G02B 30/32, G02B 30/33

* 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.

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 773

DATE: JANUARY 1, 2020

PROJECT RP0651

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
G02B 27/22		DELETE
G02B 27/2207		DELETE
G02B 27/2214		DELETE
G02B 27/2221		DELETE
G02B 27/2228		DELETE
G02B 27/2235		DELETE
G02B 27/2242		DELETE
G02B 27/225		DELETE
G02B 27/2257		DELETE
G02B 27/2264		DELETE
G02B 27/2271		DELETE
G02B 27/2278		DELETE
G02B 27/2285		DELETE
G02B 27/2292		DELETE
G02B 27/24		DELETE
G02B 27/26		DELETE
G02B 30/00	G02B 30/00	NEW
G02B 30/10	G02B 30/10	NEW
G02B 30/20	G02B 30/20	NEW
G02B 30/22	G02B 30/22	NEW
G02B 30/23	G02B 30/23	NEW
G02B 30/24	G02B 30/24	NEW
G02B 30/25	G02B 30/25	NEW
G02B 30/26	G02B 30/26	NEW
G02B 30/27	G02B 30/27	NEW
G02B 30/28	G02B 30/28	NEW
G02B 30/29	G02B 30/29	NEW
G02B 30/30	G02B 30/30	NEW
G02B 30/31	G02B 30/31	NEW
G02B 30/32	G02B 30/32	NEW
G02B 30/33	G02B 30/33	NEW
G02B 30/34	G02B 30/34	NEW
G02B 30/35	G02B 30/35	NEW
G02B 30/36	G02B 30/36	NEW
G02B 30/37	G02B 30/37	NEW
G02B 30/40	G02B 30/40	NEW
G02B 30/50	G02B 30/50	NEW
G02B 30/52	G02B 30/52	NEW
G02B 30/54	G02B 30/54	NEW
G02B 30/56	G02B 30/56	NEW
G02B 30/60	G02B 30/60	NEW

*Action column:

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

- 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 773

DATE: JANUARY 1, 2020

PROJECT RP0651

5. CROSS-REFERENCE LIST (CRL)

Scheme references impacted by this revision project

<u>Location of reference to be changed</u>	<u>Referenced subclass or group to be changed</u>	<u>Action; New reference symbol; New text</u>
G03H	G02B27/22	Replace symbol by G02B 30/00
H04N13/30	G02B27/22	Replace symbol by G02B 30/00

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>
G02C7/12	G02B27/26	Informative references	Replace symbol by G02B 30/25
G03H	G02B27/22	Application-oriented references	Replace symbol by G02B 30/00
G03H1/00	G02B27/22	Informative references	Replace symbol by G02B 30/00
G03H1/22	G02B27/22	Informative references	Replace symbol by G02B 30/00
G06F3/011	G02B27/22	Limiting references	Replace symbol by G02B 30/00
G09F	G02B27/22	Informative references	Replace symbol by G02B 30/00
G09F9/00	G02B27/22	Informative references	Replace symbol by G02B 30/00
G09F19/00	G02B27/22	Informative references	Replace symbol by G02B 30/00
G09G3/001	G02B27/22	Informative references	Replace symbol by G02B 30/00
G09G3/001	G02B27/22	Informative references	Replace symbol by G02B 30/00
G09G3/001	G02B27/2271	Informative references	Replace symbol by G02B 30/50
G09G3/001	G02B27/2278	Informative references	Replace symbol by G02B 30/52
H04N13/20	G02B27/22	Informative references	Replace symbol by G02B 30/00
H04N13/30	G02B27/22	Limiting references	Replace symbol by G02B 30/00

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.

CPC NOTICE OF CHANGES 773

DATE: JANUARY 1, 2020

PROJECT RP0651

- 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.