

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 452

DATE: JANUARY 1, 2018

PROJECT RP0263

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

<u>Action*</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	B64C	2013/506
Symbols newly created:	B64C	13/042, 13/0421, 13/0423, 13/0425, 13/0427, 13/044, 13/341, 13/343, 13/345, 13/504, 13/505, 13/506, 13/507
New Definitions:	B64C	13/12
Modified Definitions	B64C	13/00, 13/10, 13/40
Scheme Warning Notices to be added:	B64C	13/04, 13/042, 13/044, 13/06, 13/08, 13/10, 13/12, 13/14, 13/28, 13/341, 13/343, 13/345, 13/40, 13/42, 13/44, 13/46, 13/50, 13/503, 13/504, 13/505, 13/506, 13/507

No other subclasses/groups are impacted by this Notice of Changes.

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 Notice(s)
 - C. New, Modified or Deleted Note(s)
 - D. New, Modified or Deleted Guidance Heading(s)
2. DEFINITIONS (New or Modified)
 - A. DEFINITIONS (Full definition template)
 - B. DEFINITIONS (Definitions Quick Fix)
3. REVISION CONCORDANCE LIST (RCL)
4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)
5. CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS B64C – AEROPLANES; HELICOPTERS (air-cushion vehicles B60V)

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
U	B64C 13/00	0	Control systems or transmitting systems for actuating flying-control surfaces, lift-increasing flaps, air brakes, or spoilers	
U	B64C 13/02	1	Initiating means	
C	B64C 13/04	2	actuated personally	B64C 13/04 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
N	B64C 13/042	3	{operated by hand}	
N	B64C 13/0421	4	{control sticks for primary flight controls}	
N	B64C 13/0423	4	{yokes or steering wheels for primary flight controls}	
N	B64C 13/0425	4	{for actuating trailing or leading edge flaps, air brakes or spoilers}	
N	B64C 13/0427	4	{for actuating trim}	
N	B64C 13/044	3	{operated by feet, e.g. pedals}	
C	B64C 13/06	3	adjustable to suit individual persons	B64C 13/06 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/08	3	Trimming zero positions	B64C 13/08 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/10	3	comprising warning devices	B64C 13/10 B64C 13/042 B64C 13/0421

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
				B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/12	3	Dual control apparatus	B64C 13/12 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/14	3	lockable (locking in position to suit individual persons B64C13/06)	B64C 13/14 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
U	B64C 13/24	1	Transmitting means	
U	B64C 13/26	2	without power amplification or where power amplification is irrelevant	
C	B64C 13/28	3	mechanical	B64C 13/28 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/30	4	using cable, chain, or rod mechanisms	B64C 13/30 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/32	4	using cam mechanisms	B64C 13/32 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/34	4	using toothed gearing	B64C 13/34 B64C 13/341 B64C 13/343 B64C 13/345
N	B64C 13/341	4	{having duplication or stand-by provisions}	
N	B64C 13/343	4	{overriding of personal controls; with automatic return to inoperative position}	
N	B64C 13/345	4	{with artificial feel}	
U	B64C 13/38	2	with power amplification	

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
C	B64C 13/40	3	using fluid pressure	B64C 13/40 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/42	4	having duplication or stand-by provisions	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/42 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/44	4	overriding of personal controls; with automatic return to inoperative position	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/44 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/46	4	with artificial feel	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/46 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
U	B64C 13/48	4	characterised by the fluid being gaseous	
C	B64C 13/50	3	using electrical energy	B64C 13/50 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/503	4	{Fly-by-Wire}	B64C 13/503 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
Q	B64C 13/504	4	{using electro-hydrostatic actuators [EHA`s]}	B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
D	B64C 2013/506	5	{using electro-hydrostatic actuators (EHA`s)}	<administrative transfer to B64C 13/504>

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<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title (new or modified)</u> <u>“CPC only” text should normally be enclosed in {curly brackets}**</u>	<u>Transferred to#</u>
N	B64C 13/505	4	{having duplication or stand-by provisions}	
N	B64C 13/506	4	{overriding of personal controls; with automatic return to inoperative position}	
N	B64C 13/507	4	{with artificial feel}	

*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; E= 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).
- For U groups, the minimum requirement is to include the U group located immediately prior to the N group or N group array, in order to show the N group hierarchy and improve the readability and understanding of the scheme. 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 except “D” which requires only a symbol.
- #“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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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B. New, Modified or Deleted Warning notice(s)

SUBCLASS B64C – AEROPLANES; HELICOPTERS (air-cushion vehicles B60V)

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	B64C 13/04		Group B64C 13/04 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/042		Groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, and B64C 13/0427 are incomplete pending reclassification of documents from groups B64C 13/04, B64C 13/06, B64C 13/08, B64C 13/10, B64C 13/12, and B64C 13/14. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/044		Group B64C 13/044 is incomplete pending reclassification of documents from groups B64C 13/04, B64C 13/06, B64C 13/08, B64C 13/10, B64C 13/12, and B64C 13/14. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/06		Group B64C 13/06 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/08		Group B64C 13/08 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/10		Group B64C 13/10 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/12		Group B64C 13/12 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/14		Group B64C 13/14 is impacted by reclassification into groups B64C 13/042, B64C 13/0421, B64C 13/0423, B64C 13/0425, B64C 13/0427, and B64C 13/044. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/28		Groups B64C 13/28, B64C 13/30, B64C 13/32, and B64C 13/34 are impacted by reclassification into groups B64C 13/341, B64C 13/343, and B64C 13/345. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/341		Group B64C 13/341 is incomplete pending reclassification of documents from groups B64C 13/28, B64C 13/30, B64C 13/32, B64C 13/34, B64C 13/42, B64C 13/44, and B64C 13/46. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/343		Group B64C 13/343 is incomplete pending reclassification of documents from groups B64C 13/28, B64C 13/30, B64C 13/32, B64C 13/34, B64C 13/42, B64C 13/44, and B64C 13/46. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/345		Group B64C 13/345 is incomplete pending reclassification of documents from groups B64C 13/28, B64C 13/30, B64C 13/32, B64C 13/34, B64C 13/42, B64C 13/44, and B64C 13/46. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/40		Group B64C 13/40 is impacted by reclassification into groups

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/42		Group B64C 13/42 is impacted by reclassification into groups B64C 13/341, B64C 13/343, B64C 13/345, B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/44		Group B64C 13/44 is impacted by reclassification into groups B64C 13/341, B64C 13/343, B64C 13/345, B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/46		Group B64C 13/46 is impacted by reclassification into groups B64C 13/341, B64C 13/343, B64C 13/345, B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/50		Group B64C 13/50 is impacted by reclassification into groups B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/503		Group B64C 13/503 is impacted by reclassification into groups B64C 13/504, B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/504		Group B64C 13/504 is incomplete pending reclassification of documents from groups B64C 13/40, B64C 13/42, B64C 13/44, B64C 13/46, B64C 13/50, and B64C 13/503. Group B64C 13/504 is also impacted by reclassification into groups B64C 13/505, B64C 13/506, and B64C 13/507. All groups listed in

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			this Warning should be considered in order to perform a complete search.
N	B64C 13/505		Group B64C 13/505 is incomplete pending reclassification of documents from groups B64C 13/40, B64C 13/42, B64C 13/44, B64C 13/46, B64C 13/50, and B64C 13/503. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/506		Group B64C 13/506 is incomplete pending reclassification of documents from groups B64C 13/40, B64C 13/42, B64C 13/44, B64C 13/46, B64C 13/50, and B64C 13/503. All groups listed in this Warning should be considered in order to perform a complete search.
N	B64C 13/507		Group B64C 13/507 is incomplete pending reclassification of documents from groups B64C 13/40, B64C 13/42, B64C 13/44, B64C 13/46, B64C 13/50, and B64C 13/503. All groups listed in this Warning should be considered in order to perform a complete search.

*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.

2. A. DEFINITIONS (new)

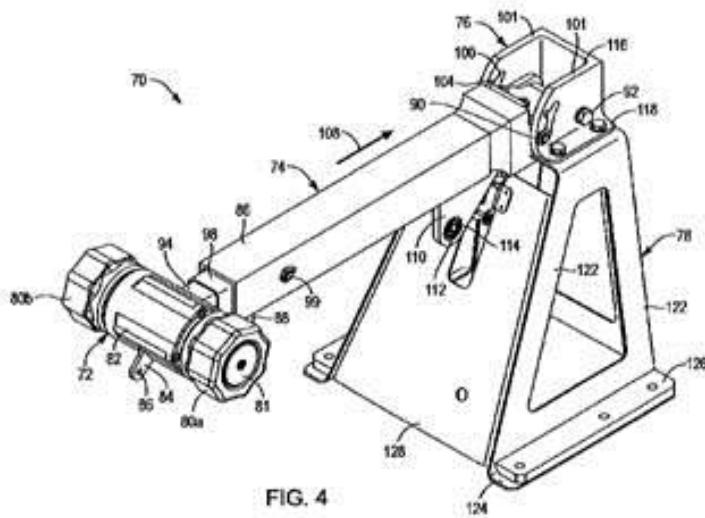
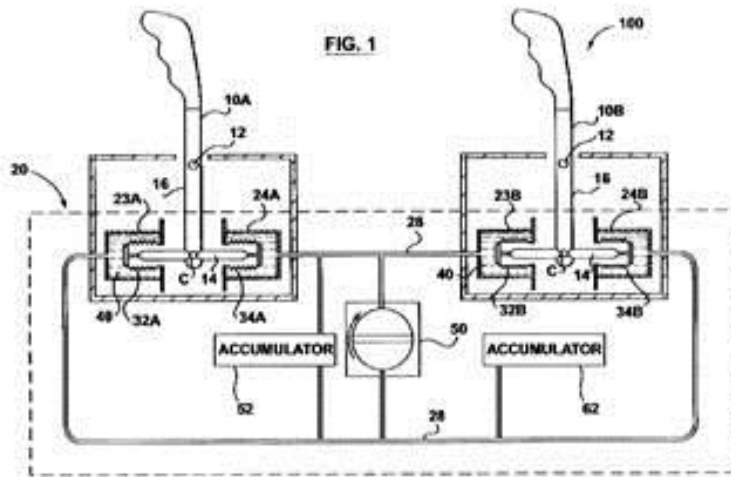
B64C 13/12

Dual control apparatus

Definition statement

This place covers:

Devices characterized by having two inputs actuated to effect control.



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2. B. DEFINITIONS QUICK FIX

<u>Symbol</u>	<u>Location of change</u> (e.g., section title)	<u>Existing reference symbol or text</u>	<u>Action; New symbol; New text</u>
B64C 13/00	Limiting references	Asymmetric flap detection B64D 45/0005	Delete
B64C 13/00	Informative references		Create new section with: Asymmetric flap detection B64D 45/0005
B64C 13/10	Relationships with other classification places	Artificial feel (e.g. "force feedback") in the transmitting system: B64C 13/46	Replace with: Artificial feel (e.g. "force feedback") in the transmitting system: mechanical B64C 13/345, fluid B64C 13/46, electric B64C 13/507
B64C 13/40	Definition statement	This subgroup covers: Documents disclosing duplication or stand-by provisions (cf. B64C 13/42), overriding of personal controls (cf. B64C 13/44) or artificial feel (force feedback; cf. B64C 13/46) are attributed these symbols even if the power amplification is not by fluid pressure. Also covers some hydraulic circuits.	Delete

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.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	B64C 13/04	B64C 13/04 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/06	B64C 13/06 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/08	B64C 13/08 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/10	B64C 13/10 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/12	B64C 13/12 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	B64C 13/14	B64C 13/14 B64C 13/042 B64C 13/0421 B64C 13/0423 B64C 13/0425 B64C 13/0427 B64C 13/044
C	B64C 13/28	B64C 13/28 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/30	B64C 13/30 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/32	B64C 13/32 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/34	B64C 13/34 B64C 13/341 B64C 13/343 B64C 13/345
C	B64C 13/40	B64C 13/40 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/42	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/42 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507

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<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	B64C 13/44	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/44 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/46	B64C 13/341 B64C 13/343 B64C 13/345 B64C 13/46 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/50	B64C 13/50 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
C	B64C 13/503	B64C 13/503 B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
Q	B64C 13/504	B64C 13/504 B64C 13/505 B64C 13/506 B64C 13/507
D	B64C 2013/506	<administrative transfer to B64C 13/504>

* 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.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “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>” or “<administrative transfer to XX and YY simultaneously>” when administrative transfer of the same documents is to more than one place.

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- Administrative transfer to main trunk groups is assumed to be “invention information”, unless otherwise indicated, and to 2000 series groups is assumed to be “additional information”.

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

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
B64C 13/042	B64C 13/04	new
B64C 13/0421	B64C 13/04	new
B64C 13/0423	B64C 13/04	new
B64C 13/0425	B64C 13/04	new
B64C 13/0427	B64C 13/04	new
B64C 13/044	B64C 13/04	new
B64C 13/341	B64C 13/28	new
B64C 13/343	B64C 13/28	new
B64C 13/345	B64C 13/28	new
B64C 13/504	B64C 13/50	new
B64C 13/505	B64C 13/50	new
B64C 2013/506		delete
B64C 13/506	B64C 13/50	new
B64C 13/507	B64C 13/50	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.
- E and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.