

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 89

DATE: JULY 1, 2015

PROJECT RP0098

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

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
Symbols deleted:	C12Y	101/01063
	C12Y	101/01128
	C12Y	101/01161
	C12Y	102/0104
	C12Y	102/03011
	C12Y	103/01004
	C12Y	103/0103
	C12Y	103/01052
	C12Y	103/99007
	C12Y	103/9901
	C12Y	103/99013
	C12Y	103/99021
	C12Y	105/99001
	C12Y	105/99002
	C12Y	113/11013
	C12Y	113/12012
	C12Y	114/15002
	C12Y	114/99028
	C12Y	204/01119
	C12Y	402/01052
	C12Y	402/01058
	C12Y	402/0106
	C12Y	402/01061
	C12Y	601/01025
	C12Y	603/02027
Symbols newly created:	C12Y	101/01318
	C12Y	101/01319
	C12Y	101/0132
	C12Y	101/01321
	C12Y	101/01322
	C12Y	101/01323
	C12Y	101/01324
	C12Y	101/01325
	C12Y	101/01326
	C12Y	101/01327
	C12Y	101/01328
	C12Y	101/01329
	C12Y	101/0133
	C12Y	101/01331
	C12Y	101/01332
	C12Y	101/01333

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	101/01334
	C12Y	101/01335
	C12Y	101/01336
	C12Y	101/01337
	C12Y	101/01338
	C12Y	101/01339
	C12Y	101/0134
	C12Y	101/01341
	C12Y	101/01342
	C12Y	101/03043
	C12Y	101/03044
	C12Y	101/98003
	C12Y	101/99038
	C12Y	102/01083
	C12Y	102/01084
	C12Y	102/01085
	C12Y	102/01086
	C12Y	103/01092
	C12Y	103/01093
	C12Y	103/01094
	C12Y	103/01095
	C12Y	103/01096
	C12Y	103/01097
	C12Y	103/0701
	C12Y	103/08003
	C12Y	103/08004
	C12Y	103/08005
	C12Y	103/08006
	C12Y	103/08007
	C12Y	103/08008
	C12Y	103/08009
	C12Y	103/99032
	C12Y	104/01023
	C12Y	104/01024
	C12Y	104/03024
	C12Y	105/01043
	C12Y	105/01044
	C12Y	105/01045
	C12Y	105/03019
	C12Y	105/0302
	C12Y	105/03021
	C12Y	105/08003
	C12Y	105/08004
	C12Y	105/99014
	C12Y	107/02006
	C12Y	113/11063
	C12Y	113/11064
	C12Y	113/11065
	C12Y	113/11066
	C12Y	113/11067

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	113/11068
	C12Y	113/11069
	C12Y	113/1107
	C12Y	113/11071
	C12Y	113/11072
	C12Y	113/11073
	C12Y	114/11035
	C12Y	114/11036
	C12Y	114/13137
	C12Y	114/13138
	C12Y	114/13139
	C12Y	114/1314
	C12Y	114/13141
	C12Y	114/13142
	C12Y	114/13143
	C12Y	114/13144
	C12Y	114/13145
	C12Y	114/13146
	C12Y	114/13147
	C12Y	114/13148
	C12Y	114/13149
	C12Y	114/1315
	C12Y	114/13151
	C12Y	114/13152
	C12Y	114/13153
	C12Y	114/13154
	C12Y	114/13155
	C12Y	114/13156
	C12Y	114/13157
	C12Y	114/13158
	C12Y	114/13159
	C12Y	114/1316
	C12Y	114/13161
	C12Y	114/13162
	C12Y	114/13163
	C12Y	114/13165
	C12Y	114/13166
	C12Y	114/13167
	C12Y	114/13168
	C12Y	114/13169
	C12Y	114/1317
	C12Y	114/13171
	C12Y	114/14013
	C12Y	114/15009
	C12Y	114/1501
	C12Y	114/15011
	C12Y	114/20002
	C12Y	114/99046
	C12Y	114/99047
	C12Y	117/02002

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	118/01005
	C12Y	118/01006
	C12Y	121/03007
	C12Y	121/03008
	C12Y	201/01239
	C12Y	201/0124
	C12Y	201/01241
	C12Y	201/01242
	C12Y	201/01243
	C12Y	201/01244
	C12Y	201/01245
	C12Y	201/01246
	C12Y	201/01247
	C12Y	201/01248
	C12Y	201/01249
	C12Y	201/0125
	C12Y	201/01251
	C12Y	201/01252
	C12Y	201/01253
	C12Y	201/01254
	C12Y	201/01255
	C12Y	201/01256
	C12Y	201/01257
	C12Y	201/01258
	C12Y	201/01259
	C12Y	201/0126
	C12Y	201/01261
	C12Y	201/01262
	C12Y	201/01263
	C12Y	201/01264
	C12Y	201/01265
	C12Y	202/0101
	C12Y	202/01011
	C12Y	203/01197
	C12Y	203/01198
	C12Y	203/01199
	C12Y	203/012
	C12Y	203/01201
	C12Y	203/01202
	C12Y	203/01203
	C12Y	203/01204
	C12Y	203/01205
	C12Y	203/01206
	C12Y	203/01207
	C12Y	203/01208
	C12Y	203/01209
	C12Y	203/0121
	C12Y	203/02019
	C12Y	204/01278
	C12Y	204/01279

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	204/0128
	C12Y	204/01281
	C12Y	204/01282
	C12Y	204/01283
	C12Y	204/01284
	C12Y	204/01285
	C12Y	204/01286
	C12Y	204/01287
	C12Y	204/01288
	C12Y	204/01289
	C12Y	204/0129
	C12Y	204/01291
	C12Y	204/01292
	C12Y	204/01293
	C12Y	204/02045
	C12Y	204/02046
	C12Y	204/02047
	C12Y	204/02048
	C12Y	204/99016
	C12Y	204/99017
	C12Y	204/99018
	C12Y	204/99019
	C12Y	205/01098
	C12Y	205/01099
	C12Y	205/011
	C12Y	205/01101
	C12Y	205/01102
	C12Y	205/01103
	C12Y	206/01093
	C12Y	206/01094
	C12Y	206/01095
	C12Y	206/01096
	C12Y	206/01097
	C12Y	206/01098
	C12Y	206/01099
	C12Y	207/01173
	C12Y	207/01174
	C12Y	207/01175
	C12Y	207/01176
	C12Y	207/01177
	C12Y	207/04026
	C12Y	207/04027
	C12Y	207/04028
	C12Y	207/07081
	C12Y	207/07082
	C12Y	207/07083
	C12Y	207/08035
	C12Y	207/08036
	C12Y	207/08037
	C12Y	207/11032

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	207/11033
	C12Y	301/01091
	C12Y	301/01092
	C12Y	301/01093
	C12Y	301/03087
	C12Y	301/03088
	C12Y	301/0701
	C12Y	301/07011
	C12Y	302/01181
	C12Y	302/01182
	C12Y	302/01183
	C12Y	302/01184
	C12Y	304/19014
	C12Y	305/0111
	C12Y	305/01111
	C12Y	305/01112
	C12Y	305/01113
	C12Y	305/04032
	C12Y	305/99009
	C12Y	306/01058
	C12Y	306/01059
	C12Y	306/0106
	C12Y	306/01061
	C12Y	306/01062
	C12Y	306/01063
	C12Y	307/01017
	C12Y	307/01018
	C12Y	307/01019
	C12Y	307/0102
	C12Y	401/01094
	C12Y	401/01095
	C12Y	401/01096
	C12Y	401/0205
	C12Y	402/01132
	C12Y	402/01133
	C12Y	402/01134
	C12Y	402/01135
	C12Y	402/01136
	C12Y	402/01137
	C12Y	402/03094
	C12Y	402/03095
	C12Y	402/03096
	C12Y	402/03097
	C12Y	402/03098
	C12Y	402/03099
	C12Y	402/031
	C12Y	402/03101
	C12Y	402/03102
	C12Y	402/03103
	C12Y	402/03104

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	402/03105
	C12Y	402/03106
	C12Y	402/03107
	C12Y	402/03108
	C12Y	402/03109
	C12Y	402/0311
	C12Y	402/03111
	C12Y	402/03112
	C12Y	402/03113
	C12Y	402/03114
	C12Y	402/03115
	C12Y	402/03116
	C12Y	402/03117
	C12Y	402/03118
	C12Y	402/03119
	C12Y	402/0312
	C12Y	402/03121
	C12Y	402/03122
	C12Y	402/03123
	C12Y	402/03124
	C12Y	402/03125
	C12Y	402/03126
	C12Y	402/03127
	C12Y	402/03128
	C12Y	402/03129
	C12Y	402/0313
	C12Y	402/03131
	C12Y	402/03132
	C12Y	402/03133
	C12Y	402/03134
	C12Y	402/03135
	C12Y	402/03136
	C12Y	402/03137
	C12Y	402/03138
	C12Y	402/03139
	C12Y	402/0314
	C12Y	403/01028
	C12Y	403/02006
	C12Y	403/03007
	C12Y	403/99003
	C12Y	404/01026
	C12Y	501/03025
	C12Y	501/99006
	C12Y	502/01014
	C12Y	503/02005
	C12Y	503/02006
	C12Y	503/9901
	C12Y	504/03009
	C12Y	504/99057
	C12Y	504/99058

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	C12Y	505/01022
	C12Y	602/01038
	C12Y	602/01039
	C12Y	603/02038
	C12Y	603/02039
	C12Y	603/0402
Title wording change:	C12Y	101/0105
	C12Y	101/01062
	C12Y	101/01153
	C12Y	101/0117
	C12Y	101/01212
	C12Y	101/01213
	C12Y	101/01239
	C12Y	101/01264
	C12Y	101/0127
	C12Y	102/01074
	C12Y	102/0108
	C12Y	102/03001
	C12Y	103/01022
	C12Y	103/01039
	C12Y	103/08001
	C12Y	103/99003
	C12Y	103/99005
	C12Y	114/11027
	C12Y	114/12013
	C12Y	114/13039
	C12Y	114/13059
	C12Y	114/13108
	C12Y	114/13109
	C12Y	114/18001
	C12Y	116/01008
	C12Y	197/01004
	C12Y	201/01059
	C12Y	201/0109
	C12Y	201/01123
	C12Y	201/01124
	C12Y	201/01126
	C12Y	201/01127
	C12Y	201/01233
	C12Y	203/01038
	C12Y	203/0104
	C12Y	203/01049
	C12Y	203/011
	C12Y	203/01177
	C12Y	204/01131
	C12Y	204/01132
	C12Y	204/01229
	C12Y	204/01256
	C12Y	204/01257

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	204/01258
	C12Y	204/01259
	C12Y	204/0126
	C12Y	204/01261
	C12Y	204/01265
	C12Y	204/01267
	C12Y	204/02029
	C12Y	205/01032
	C12Y	205/01095
	C12Y	206/01019
	C12Y	207/07042
	C12Y	207/07059
	C12Y	207/07061
	C12Y	207/07066
	C12Y	207/08007
	C12Y	207/11003
	C12Y	207/11004
	C12Y	207/11005
	C12Y	207/11006
	C12Y	207/11007
	C12Y	207/11015
	C12Y	207/11023
	C12Y	207/11027
	C12Y	207/11029
	C12Y	207/11031
	C12Y	208/02008
	C12Y	208/02023
	C12Y	208/02029
	C12Y	301/01085
	C12Y	301/02021
	C12Y	301/03017
	C12Y	301/03042
	C12Y	301/03043
	C12Y	301/03044
	C12Y	301/03047
	C12Y	301/03049
	C12Y	301/03052
	C12Y	301/03053
	C12Y	301/04014
	C12Y	301/04015
	C12Y	302/01089
	C12Y	306/01027
	C12Y	306/0103
	C12Y	401/01077
	C12Y	402/01059
	C12Y	402/03014
	C12Y	402/03018
	C12Y	501/03014
	C12Y	503/01017
	C12Y	503/03014

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<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
	C12Y	602/0102
	C12Y	602/01022
	C12Y	603/04009
	C12Y	603/0401
	C12Y	603/04011

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) or 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 - ENZYMES

<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>
M	101/0105	2	3Alpha-hydroxysteroid 3-dehydrogenase (B-specific) (1.1.1.50)	
M	101/01062	2	17Beta-estradiol 17-dehydrogenase (1.1.1.62)	
D	101/01063	2	Testosterone 17-beta-dehydrogenase (1.1.1.63)	<administrative transfer to 101/01239>
D	101/01128	2	L-Idonate 2-dehydrogenase (1.1.1.128)	<administrative transfer to 101/01264>
M	101/01153	2	Sepiapterin reductase (L-erythro-7,8-dihydrobiopterin forming) (1.1.1.153)	
D	101/01161	2	Cholestanetetraol 26-dehydrogenase (1.1.1.161)	<administrative transfer to 114/13015>
M	101/0117	2	3Beta-hydroxy-4alpha-carboxy-sterol 3-dehydrogenase (decarboxylating) (1.1.1.170)	
M	101/01212	2	3-Oxoacyl-[acyl-carrier-protein] reductase (NADH) (1.1.1.212)	
M	101/01213	2	3Alpha-hydroxysteroid 3-dehydrogenase (A-specific) (1.1.1.213)	
M	101/01239	2	3Alpha(17beta)-hydroxysteroid dehydrogenase (NAD+) (1.1.1.239), i.e. testosterone 17beta-dehydrogenase	
M	101/01264	2	L-Idonate 5-dehydrogenase (1.1.1.264), i.e. L-idonate 2-dehydrogenase	
M	101/0127	2	3Beta-hydroxysteroid 3-dehydrogenase (1.1.1.270)	
U	101/01317	2	Perakine reductase (1.1.1.317)	
N	101/01318	2	Eugenol synthase (1.1.1.318)	
N	101/01319	2	Isoeugenol synthase (1.1.1.319)	
N	101/0132	2	Benzil reductase [(S)-benzoin forming] (1.1.1.320)	
N	101/01321	2	Benzil reductase [(R)-benzoin forming] (1.1.1.321)	
N	101/01322	2	(-)-Endo-fenchol dehydrogenase (1.1.1.322)	
N	101/01323	2	(+)-Thujan-3-ol dehydrogenase (1.1.1.323)	
N	101/01324	2	8-Hydroxygeraniol dehydrogenase (1.1.1.324)	
N	101/01325	2	Sepiapterin reductase (L-threo-7,8-dihydrobiopterin forming) (1.1.1.325)	
N	101/01326	2	Zerumbone synthase (1.1.1.326)	
N	101/01327	2	5-Exo-hydroxycamphor dehydrogenase (1.1.1.327)	
N	101/01328	2	Nicotine blue oxidoreductase (1.1.1.328)	

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N	101/01329	2	2-Deoxy-scylo-inosamine dehydrogenase (1.1.1.329)	
N	101/0133	2	Very-long-chain 3-oxoacyl-CoA reductase (1.1.1.330)	
N	101/01331	2	Secoisolariciresinol dehydrogenase (1.1.1.331)	
N	101/01332	2	Chanoclavine-I dehydrogenase (1.1.1.332)	
N	101/01333	2	Decaprenylphospho-beta-D-erythro-pentofuranosid-2-ulose 2-reductase (1.1.1.333)	
N	101/01334	2	Methylecgonone reductase (1.1.1.334)	
N	101/01335	2	UDP-N-acetyl-2-amino-2-deoxyglucuronate dehydrogenase (1.1.1.335)	
N	101/01336	2	UDP-N-acetyl-D-mannosamine dehydrogenase (1.1.1.336)	
N	101/01337	2	L-2-Hydroxycarboxylate dehydrogenase (NAD+) (1.1.1.337)	
N	101/01338	2	(2R)-3-Sulfolactate dehydrogenase (NADP+) (1.1.1.338)	
N	101/01339	2	dTDP-6-deoxy-L-talose 4-dehydrogenase (NAD+) (1.1.1.339)	
N	101/0134	2	1-Deoxy-1 beta-hydroxypentalenate dehydrogenase (1.1.1.340)	
N	101/01341	2	CDP-abequose synthase (1.1.1.341)	
N	101/01342	2	CDP-paratose synthase (1.1.1.342)	
U	101/03042	2	Prosolanapyrone-II oxidase (1.1.3.42)	
N	101/03043	2	Paromamine 6'-oxidase (1.1.3.43)	
N	101/03044	2	6'''-Hydroxyneomycin C oxidase (1.1.3.44)	
U	101/98002	2	Glucose-6-phosphate dehydrogenase (coenzyme-F420) (1.1.98.2)	
N	101/98003	2	Decaprenylphospho-beta-D-ribofuranose 2-oxidase (1.1.98.3)	
U	101/99037	2	NDMA-dependent methanol dehydrogenase (1.1.99.37)	
N	101/99038	2	2-Deoxy-scylo-inosamine dehydrogenase (SAM-dependent) (1.1.99.38)	
D	102/0104	2	3-Alpha,7-alpha,12-alpha-trihydroxycholestan-26-al 26-oxidoreductase (1.2.1.40)	<administrative transfer to 114/13015>
M	102/01074	2	Abieta-7,13-dien-18-al dehydrogenase (1.2.1.74)	
M	102/0108		Long-chain acyl-[acyl-carrier-protein] reductase (1.2.1.80)	
U	102/01082	2	Beta-apo-4'-carotenal oxygenase (1.2.1.82)	
N	102/01083	2	3-Succinoylsemialdehyde-pyridine dehydrogenase (1.2.1.83)	
N	102/01084	2	Alcohol-forming fatty acyl-CoA reductase (1.2.1.84)	

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N	102/01085	2	2-Hydroxymuconate-6-semialdehyde dehydrogenase (1.2.1.85)	
N	102/01086	2	Geranial dehydrogenase (1.2.1.86)	
U	102/03	1	with oxygen as acceptor (1.2.3)	
M	102/03001	2	Aldehyde oxidase (1.2.3.1), i.e. retinal oxidase	
D	102/03011	2	Retinal oxidase (1.2.3.11)	<administrative transfer to 102/03001>
D	103/01004	2	Cortisone alpha-reductase (1.3.1.4)	administrative transfer to 103/01022
M	103/01022	2	3-Oxo-5alpha-steroid 4-dehydrogenase (NADP+) (1.3.1.22), i.e. cortisone alpha-reductase	
D	103/0103	2	Progesterone 5-alpha-reductase (1.3.1.30), i.e. steroid-5-alpha-reductase	<administrative transfer to 103/01022>
M	103/01039	2	Enoyl-[acyl-carrier-protein] reductase (NADPH, A-specific)(1.3.1.39)	
D	103/01052	2	2-Methyl-branched-chain-enoyl-CoA reductase (1.3.1.52)	<administrative transfer to 103/08005>
U	103/01091	2	RNA-dihydrouridine20 synthase (NAD(P)+)(1.3.1.91)	
N	103/01092	2	Artemisinic aldehyde DELTA11(13)-reductase (1.3.1.92)	
N	103/01093	2	Very-long-chain enoyl-CoA reductase (1.3.1.93)	
N	103/01094	2	Polyprenol reductase (1.3.1.94)	
N	103/01095	2	Acrylyl-CoA reductase (NADH) (1.3.1.95)	
N	103/01096	2	Botryococcus squalene synthase (1.3.1.96)	
N	103/01097	2	Botryococcene synthase (1.3.1.97)	
U	103/07009	2	4-Hydroxybenzoyl-CoA reductase (1.3.7.9)	
N	103/0701	2	Pentalenolactone synthase (1.3.7.10)	
M	103/08001	2	Short-chain acyl-CoA dehydrogenase (1.3.8.1), i.e. butyryl-CoA dehydrogenase	
U	103/08002	2	4,4'-Diapophytoene desaturase (1.3.8.2)	
N	103/08003	2	(R)-Benzylsuccinyl-CoA dehydrogenase (1.3.8.3)	
N	103/08004	2	Isovaleryl-CoA dehydrogenase (1.3.8.4)	
N	103/08005	2	2-Methyl-branched-chain-enoyl-CoA reductase (1.3.8.5)	
N	103/08006	2	Glutaryl-CoA dehydrogenase (1.3.8.6)	
N	103/08007	2	Medium-chain acyl-CoA dehydrogenase (1.3.8.7)	
N	103/08008	2	Long-chain acyl-CoA dehydrogenase (1.3.8.8)	
N	103/08009	2	Very-long-chain acyl-CoA dehydrogenase (1.3.8.9)	
M	103/99003	2	Acyl-CoA dehydrogenase (1.3.99.3) (103/08007, 103/08008 and 103/08009 take precedence)	
M	103/99005	2	3-Oxo-5alpha-steroid 4-dehydrogenase (acceptor) (1.3.99.5), i.e. steroid-5alpha-reductase	
D	103/99007	2	Glutaryl-CoA dehydrogenase (1.3.99.7)	<administrative transfer to 103/08006>

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D	103/9901	2	Isovaleryl-CoA dehydrogenase (1.3.99.10)	<administrative transfer to 103/08004>
D	103/99013	2	Long-chain-acyl-CoA dehydrogenase (1.3.99.13)	<administrative transfer to 103/08008>
D	103/99021	2	(R)-Benzylsuccinyl-CoA dehydrogenase (1.3.99.21)	<administrative transfer to 103/08003>
U	103/99031	2	Phytoene desaturase (lycopene-forming) (1.3.99.31)	
N	103/99032	2	Glutaryl-CoA dehydrogenase (non-decarboxylating) (1.3.99.32)	
U	104/01021	2	Aspartate dehydrogenase (1.4.1.21)	
N	104/01023	2	Valine dehydrogenase (NAD+) (1.4.1.23)	
N	104/01024	2	3-Dehydroquinase synthase II (1.4.1.24)	
U	104/03023	2	7-Chloro-L-tryptophan oxidase (1.4.3.23)	
N	104/03024	2	Pseudooxynicotine oxidase (1.4.3.24)	
U	105/01042	2	FMN reductase (NADH) (1.5.1.42)	
N	105/01043	2	Carboxynorspermidine synthase (1.5.1.43)	
N	105/01044	2	Festuclovine dehydrogenase (1.5.1.44)	
N	105/01045	2	FAD reductase [NAD(P)H] (1.5.1.45)	
U	105/03018	2	L-Saccharopine oxidase (1.5.3.18)	
N	105/03019	2	4-Methylaminobutanoate oxidase (formaldehyde-forming) (1.5.3.19)	
N	105/0302	2	N-Alkylglycine oxidase (1.5.3.20)	
N	105/03021	2	4-Methylaminobutanoate oxidase (methylamine-forming) (1.5.3.21)	
U	105/08002	2	Trimethylamine dehydrogenase (1.5.8.2)	
N	105/08003	2	Sarcosine dehydrogenase (1.5.8.3)	
N	105/08004	2	Dimethylglycine dehydrogenase (1.5.8.4)	
D	105/99001	2	Sarcosine dehydrogenase (1.5.99.1)	<administrative transfer to 105/08003>
D	105/99002	2	Dimethylglycine dehydrogenase (1.5.99.2)	<administrative transfer to 105/08004>
U	105/99013	2	D-Proline dehydrogenase (1.5.99.13)	
N	105/99014	2	6-Hydroxypseudooxynicotine dehydrogenase (1.5.99.14)	
U	107/02005	2	Nitric-oxide reductase (cytochrome c)(1.7.2.5)	
N	107/02006	2	Hydroxylamine dehydrogenase (1.7.2.6)	
D	113/11013	2	Ascorbate 2,3-dioxygenase (1.13.11.13)	Deleted entry. Empty subgroup.
U	113/11062	2	Linoleate 10R-lipoxygenase (1.13.11.62)	
N	113/11063	2	Beta-carotene 15,15'-dioxygenase (1.13.11.63)	
N	113/11064	2	5-Nitrosalicylate dioxygenase (1.13.11.64)	
N	113/11065	2	Carotenoid isomeroxygenase (1.13.11.65)	
N	113/11066	2	Hydroquinone 1,2-dioxygenase (1.13.11.66)	
N	113/11067	2	8'-Apo-beta-carotenoid 14',13'-cleaving dioxygenase (1.13.11.67)	

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N	113/11068	2	9-Cis-beta-carotene 9',10'-cleaving dioxygenase (1.13.11.68)	
N	113/11069	2	Carlactone synthase (1.13.11.69)	
N	113/1107	2	All-trans-10'-apo-beta-carotenal 13,14-cleaving dioxygenase (1.13.11.70)	
N	113/11071	2	Carotenoid-9',10'-cleaving dioxygenase (1.13.11.71)	
N	113/11072	2	2-Hydroxyethylphosphonate dioxygenase (1.13.11.72)	
N	113/11073	2	Methylphosphonate synthase (1.13.11.73)	
D	113/12012	2	Apo-beta-carotenoid-14',13'-dioxygenase (1.13.12.12)	<administrative transfer to 113/11067>
M	114/11027	2	[Histone H3]-lysine-36 demethylase (1.14.11.27)	
U	114/11034	2	2-Oxoglutarate/L-arginine monooxygenase/decarboxylase (succinate-forming) (1.14.11.34)	
N	114/11035	2	1-Deoxypentalenic acid 11beta-hydroxylase (1.14.11.35)	
N	114/11036	2	Pentalenolactone F synthase (1.14.11.36)	
M	114/12013	2	2-Halobenzoate 1,2-dioxygenase (1.14.12.13)	
M	114/13039	2	Nitric-oxide synthase (NADPH dependent) (1.14.13.39)	
M	114/13059	2	L-Lysine N6-monooxygenase (NADPH) (1.14.13.59)	
M	114/13108	2	Abieta-7,13-diene hydroxylase (1.14.13.108)	
M	114/13109	2	Abieta-7,13-dien-18-ol hydroxylase (1.14.13.109)	
U	114/13136	2	Isoflavonoid synthase (1.14.13.136)	
N	114/13137	2	Indole-2-monooxygenase (1.14.13.137)	
N	114/13138	2	Indolin-2-one monooxygenase (1.14.13.138)	
N	114/13139	2	3-Hydroxyindolin-2-one monooxygenase (1.14.13.139)	
N	114/1314	2	2-Hydroxy-1,4-benzoxazin-3-one monooxygenase (1.14.13.140)	
N	114/13141	2	Cholest-4-en-3-one 26-monooxygenase (1.14.13.141)	
N	114/13142	2	3-Ketosteroid 9alpha-monooxygenase (1.14.13.142)	
N	114/13143	2	Ent-isokaurene C2-hydroxylase (1.14.13.143)	
N	114/13144	2	9Beta-pimara-7,15-diene oxidase (1.14.13.144)	
N	114/13145	2	Ent-cassa-12,15-diene 11-hydroxylase (1.14.13.145)	
N	114/13146	2	Taxoid 14beta-hydroxylase (1.14.13.146)	
N	114/13147	2	Taxoid 7beta-hydroxylase (1.14.13.147)	
N	114/13148	2	Trimethylamine monooxygenase (1.14.13.148)	
N	114/13149	2	Phenylacetyl-CoA 1,2-epoxidase (1.14.13.149)	

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N	114/1315	2	Alpha-humulene 10-hydroxylase (1.14.13.150)	
N	114/13151	2	Linalool 8-monooxygenase (1.14.13.151)	
N	114/13152	2	Geraniol 8-hydroxylase (1.14.13.152)	
N	114/13153	2	(+)-Sabinene 3-hydroxylase (1.14.13.153)	
N	114/13154	2	Erythromycin 12 hydroxylase (1.14.13.154)	
N	114/13155	2	Alpha-pinene monooxygenase (1.14.13.155)	
N	114/13156	2	1,8-Cineole 2-endo-monooxygenase (1.14.13.156)	
N	114/13157	2	1,8-Cineole 2-exo-monooxygenase (1.14.13.157)	
N	114/13158	2	Amorpha-4,11-diene 12-monooxygenase (1.14.13.158)	
N	114/13159	2	Vitamin D 25-hydroxylase (1.14.13.159)	
N	114/1316	2	(2,2,3-Trimethyl-5-oxocyclopent-3-enyl)acetyl-CoA 1,5-monooxygenase (1.14.13.160)	
N	114/13161	2	(+)-Camphor 6-exo-hydroxylase (1.14.13.161)	
N	114/13162	2	2,5-Diketocamphane 1,2-monooxygenase (1.14.13.162), i.e. camphor 1,2-monooxygenase	
N	114/13163	2	6-Hydroxy-3-succinoylpyridine 3-monooxygenase (1.14.13.163)	
N	114/13165	2	Nitric-oxide synthase [NAD(P)H-dependent] (1.14.13.165)	
N	114/13166	2	4-Nitrocatechol 4-monooxygenase (1.14.13.166)	
N	114/13167	2	4-Nitrophenol 4-monooxygenase (1.14.13.167)	
N	114/13168	2	Indole-3-pyruvate monooxygenase (1.14.13.168)	
N	114/13169	2	Sphinganine C4-monooxygenase (1.14.13.169)	
N	114/1317	2	Pentalenolactone D synthase (1.14.13.170)	
N	114/13171	2	Neopentalenolactone D synthase (1.14.13.171)	
U	114/14012	2	3-Hydroxy-9,10-seconandrost-1,3,5(10)-triene-9,17-dione monooxygenase (1.14.14.12)	
N	114/14013	2	4-(L-Gamma-glutamylamino)butanoyl-[BtrI acyl-carrier protein] monooxygenase (1.14.14.13)	
D	114/15002	2	Camphor 1,2-monooxygenase (1.14.15.2)	<administrative transfer to 114/13162>
U	114/15008	2	Steroid 15-beta-monooxygenase (1.14.15.8)	
N	114/15009	2	Spheroidene monooxygenase (1.14.15.9)	
N	114/1501	2	(+)-Camphor 6-endo-hydroxylase (1.14.15.10)	
N	114/15011	2	Pentalenic acid synthase (1.14.15.11)	
M	114/18001	2	Tyrosinase (1.14.18.1)	
U	114/20001	2	Deacetoxycephalosporin-C synthase (1.14.20.1)	
N	114/20002	2	2,4-Dihydroxy-1,4-benzoxazin-3-one-glucoside dioxygenase (1.14.20.2)	
D	114/99028	2	Linalool 8-monooxygenase (1.14.99.28)	<administrative transfer to 114/13151>
U	114/99045	2	Carotene epsilon-monooxygenase (1.14.99.45)	
N	114/99046	2	Pyrimidine oxygenase (1.14.99.46)	
N	114/99047	2	(+)-Larreatricin hydroxylase (1.14.99.47)	

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M	116/01008	2	[Methionine synthase] reductase (1.16.1.8)	
U	117/02001	2	Nicotinate dehydrogenase (cytochrome) (1.17.2.1)	
N	117/02002	2	Lupanine 17-hydroxylase (cytochrome c) (1.17.2.2)	
U	118/01004	2	Rubredoxin--NAD(P)+ reductase (1.18.1.4)	
N	118/01005	2	Putidaredoxin—NAD+ reductase (1.18.1.5)	
N	118/01006	2	Adrenodoxin-NADP+ reductase (1.18.1.6)	
U	121/03006	2	Aureusidin synthase (1.21.3.6)	
N	121/03007	2	Tetrahydrocannabinolic acid synthase (1.21.3.7)	
N	121/03008	2	Cannabidiolic acid synthase (1.21.3.8)	
M	197/01004	2	[Formate-C-acetyltransferase]-activating enzyme (1.97.1.4)	
M	201/01059	2	[Cytochrome c]-lysine N-methyltransferase (2.1.1.59)	
M	201/0109	2	Methanol—corrinoic protein Co-methyltransferase (2.1.1.90)	
M	201/01123	2	[Cytochrome c]-methionine S-methyltransferase (2.1.1.123)	
M	201/01124	2	[Cytochrome c]-arginine N-methyltransferase (2.1.1.124)	
M	201/01126	2	[Myelin basic protein]-arginine N-methyltransferase (2.1.1.126)	
M	201/01127	2	[Ribulose-bisphosphate carboxylase]-lysine N-methyltransferase (2.1.1.127)	
M	201/01233	2	[Phosphatase 2A protein]-leucine-carboxy methyltransferase (2.1.1.233)	
U	201/01238	2	Mycinamicin VI 2"-O-methyltransferase (2.1.1.238)	
N	201/01239	2	L-Olivosyl-oleandolide 3-O-methyltransferase (2.1.1.239)	
N	201/0124	2	Trans-resveratrol di-O-methyltransferase (2.1.1.240)	
N	201/01241	2	2,4,7-Trihydroxy-1,4-benzoxazin-3-one-glucoside 7-O-methyltransferase (2.1.1.241)	
N	201/01242	2	16S rRNA (guanine1516-N2)-methyltransferase (2.1.1.242)	
N	201/01243	2	2-Ketoarginine methyltransferase (2.1.1.243)	
N	201/01244	2	Protein N-terminal methyltransferase (2.1.1.244)	
N	201/01245	2	5-Methyltetrahydroscarinapterin:corrinoic/iron-sulfur protein Co-methyltransferase (2.1.1.245)	
N	201/01246	2	[Methyl-Co(III) methanol-specific corrinoic protein]:coenzyme M methyltransferase (2.1.1.246)	
N	201/01247	2	[Methyl-Co(III) methylamine-specific corrinoic protein]:coenzyme M methyltransferase (2.1.1.247)	
N	201/01248	2	Methylamine—corrinoic protein Co-methyltransferase (2.1.1.248)	

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N	201/01249	2	Dimethylamine—corrinoid protein Co-methyltransferase (2.1.1.249)	
N	201/0125	2	Trimethylamine—corrinoid protein Co-methyltransferase (2.1.1.250)	
N	201/01251	2	Methylated-thiol—coenzyme M methyltransferase (2.1.1.251)	
N	201/01252	2	Tetramethylammonium—corrinoid protein Co-methyltransferase (2.1.1.252)	
N	201/01253	2	[Methyl-Co(III) tetramethylammonium-specific corrinoid protein]:coenzyme M methyltransferase (2.1.1.253)	
N	201/01254	2	Erythromycin 3"-O-methyltransferase (2.1.1.254)	
N	201/01255	2	Geranyl diphosphate 2-C-methyltransferase (2.1.1.255)	
N	201/01256	2	tRNA (guanine6-N2)-methyltransferase (2.1.1.256)	
N	201/01257	2	tRNA (pseudouridine54-N1)-methyltransferase (2.1.1.257)	
N	201/01258	2	5-Methyltetrahydrofolate:corrinoid/iron-sulfur protein Co-methyltransferase (2.1.1.258)	
N	201/01259	2	[Fructose-bisphosphate aldolase]-lysine N-methyltransferase (2.1.1.259)	
N	201/0126	2	rRNA small subunit pseudouridine methyltransferase Nep1 (2.1.1.260)	
N	201/01261	2	4-Dimethylallyltryptophan N-methyltransferase (2.1.1.261)	
N	201/01262	2	Squalene methyltransferase (2.1.1.262)	
N	201/01263	2	Botryococcene C-methyltransferase (2.1.1.263)	
N	201/01264	2	23S rRNA (guanine2069-N7)-methyltransferase (2.1.1.264)	
N	201/01265	2	Tellurite methyltransferase (2.1.1.265)	
U	202/01009	2	2-Succinyl-5-enolpyruvyl-6-hydroxy-3-cyclohexene-1-carboxylic-acid synthase (2.2.1.9)	
N	202/0101	2	2-Amino-3,7-dideoxy-D-threo-hept-6-ulosonate synthase (2.2.1.10)	
N	202/01011	2	6-Deoxy-5-ketofructose 1-phosphate synthase (2.2.1.11)	
M	203/01038	2	[Acyl-carrier-protein] S-acetyltransferase (2.3.1.38)	
M	203/0104	2	Acyl-[acyl-carrier-protein]-phospholipid O-acyltransferase (2.3.1.40)	
M	203/01049	2	Deacetyl-[citrate-(pro-3S)-lyase] S-acetyltransferase (2.3.1.49)	
M	203/011	2	[Myelin-proteolipid] O-palmitoyltransferase (2.3.1.100)	
M	203/01177	2	3,5-Dihydroxybiphenyl synthase (2.3.1.177)	
U	203/01196	2	Benzyl alcohol O-benzoyltransferase (2.3.1.196)	

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N	203/01197	2	dTDP-3-amino-3,6-dideoxy-alpha-D-galactopyranose 3-N-acetyltransferase (2.3.1.197)	
N	203/01198	2	Glycerol-3-phosphate 2-O-acyltransferase (2.3.1.198)	
N	203/01199	2	Very-long-chain 3-oxoacyl-CoA synthase (2.3.1.199)	
N	203/012	2	Lipoyl amidotransferase (2.3.1.200)	
N	203/01201	2	UDP-2-acetamido-3-amino-2,3-dideoxy-glucuronate N-acetyltransferase (2.3.1.201)	
N	203/01202	2	UDP-4-amino-4,6-dideoxy-N-acetyl-beta-L-altrosamine N-acetyltransferase (2.3.1.202)	
N	203/01203	2	UDP-4-amino-4,6-dideoxy-N-acetyl-alpha-D-glucosamine N-acetyltransferase (2.3.1.203)	
N	203/01204	2	Octanoyl-[GcvH]:protein N-octanoyltransferase (2.3.1.204)	
N	203/01205	2	Fumigaclavine B O-acetyltransferase (2.3.1.205)	
N	203/01206	2	3,5,7-Trioxododecanoyl-CoA synthase (2.3.1.206)	
N	203/01207	2	Beta-ketodecanoyl-[acyl-carrier-protein] synthase (2.3.1.207)	
N	203/01208	2	4-Hydroxycoumarin synthase (2.3.1.208)	
N	203/01209	2	dTDP-4-amino-4,6-dideoxy-D-glucose acyltransferase (2.3.1.209)	
N	203/0121	2	dTDP-4-amino-4,6-dideoxy-D-galactose acyltransferase (2.3.1.210)	
U	203/02018	2	N-Acetylmuramoyl-L-alanyl-D-glutamyl-L-lysyl-(N6-triglycine)-D-alanyl-D-alanine-diphosphoundecaprenyl-N-acetylglucosamine:glycin (2.3.2.18)	
N	203/02019	2	Ribostamycin:4-(gamma-L-glutamylamino)-(S)-2-hydroxybutanoyl-[BtrI acyl-carrier protein] 4-(gamma-L-glutamylamino)-(S)-2-hydroxybutanoate transferase (2.3.2.19)	
D	204/01119	2	Dolichyl-diphosphooligosaccharide--protein glycotransferase (2.4.1.119)	<administrative transfer to 204/99018>
M	204/01131	2	GDP-Man:Man3GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.131)	
M	204/01132	2	GDP-Man:Man1GlcNAc2-PP-dolichol alpha-1,3-mannosyltransferase (2.4.1.132)	
M	204/01229	2	[Skp1-protein]-hydroxyproline N-acetylglucosaminyltransferase (2.4.1.229)	
M	204/01256	2	Dolichyl-P-Glc:Glc2Man9GlcNAc2-PP-dolichol alpha-1,2-glucosyltransferase (2.4.1.256)	
M	204/01257	2	GDP-Man:Man2GlcNAc2-PP-dolichol alpha-1,6-mannosyltransferase (2.4.1.257)	

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M	204/01258	2	Dolichyl-P-Man:Man5GlcNAc2-PP-dolichol alpha-1,3-mannosyltransferase (2.4.1.258)	
M	204/01259	2	Dolichyl-P-Man:Man6GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.259)	
M	204/0126	2	Dolichyl-P-Man:Man7GlcNAc2-PP-dolichol alpha-1,6-mannosyltransferase (2.4.1.260)	
M	204/01261	2	Dolichyl-P-Man:Man8GlcNAc2-PP-dolichol alpha-1,2-mannosyltransferase (2.4.1.261)	
M	204/01265	2	Dolichyl-P-Glc:Glc1Man9GlcNAc2-PP-dolichol alpha-1,3-glucosyltransferase (2.4.1.265)	
M	204/01267	2	Dolichyl-P-Glc:Man9GlcNAc2-PP-dolichol alpha-1,3-glucosyltransferase (2.4.1.267)	
U	204/01277	2	Glycosyltransferase DesVII (2.4.1.277)	
N	204/01278	2	Desosaminyl transferase EryCIII (2.4.1.278)	
N	204/01279	2	Nigerose phosphorylase (2.4.1.279)	
N	204/0128	2	N,N'-Diacetylchitobiose phosphorylase (2.4.1.280)	
N	204/01281	2	4-O-Beta-D-mannosyl-D-glucose phosphorylase (2.4.1.281)	
N	204/01282	2	3-O-Alpha-D-glucosyl-L-rhamnose phosphorylase (2.4.1.282)	
N	204/01283	2	2-Deoxystreptamine N-acetyl-D-glucosaminyltransferase (2.4.1.283)	
N	204/01284	2	2-Deoxystreptamine glucosyltransferase (2.4.1.284)	
N	204/01285	2	UDP-GlcNAc:ribostamycin N-acetylglucosaminyltransferase (2.4.1.285)	
N	204/01286	2	Chalcone 4'-O-glucosyltransferase (2.4.1.286)	
N	204/01287	2	Rhamnopyranosyl-N-acetylglucosaminyl-diphospho-decaprenol beta-1,3/1,4-galactofuranosyltransferase (2.4.1.287)	
N	204/01288	2	Galactofuranosylgalactofuranosylrhamnosyl-N-acetylglucosaminyl-diphospho-decaprenol beta-1,5/1,6-galactofuranosyltransferase (2.4.1.288)	
N	204/01289	2	N-Acetylglucosaminyl-diphospho-decaprenol L-rhamnosyltransferase (2.4.1.289)	
N	204/0129	2	N,N'-Diacetylbacillosaminyl-diphospho-undecaprenol alpha-1,3-N-acetylgalactosaminyltransferase (2.4.1.290)	
N	204/01291	2	N-Acetylgalactosamine-N,N'-diacetylbacillosaminyl-diphospho-undecaprenol 4-alpha-N-acetylgalactosaminyltransferase (2.4.1.291)	
N	204/01292	2	GalNAc-alpha-(1→4)-GalNAc-alpha-(1→3)-diNAcBac-PP-undecaprenol alpha-1,4-N-acetyl-D-galactosaminyltransferase (2.4.1.292)	

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N	204/01293	2	GalNAc5-diNAcBac-PP-undecaprenol beta-1,3-glucosyltransferase (2.4.1.293)	
M	204/02029	2	tRNA-guanosine ³⁴ transglycosylase (2.4.2.29)	
U	204/02044	2	S-Methyl-5'-thioinosine phosphorylase (2.4.2.44)	
N	204/02045	2	Decaprenyl-phosphate phosphoribosyltransferase (2.4.2.45)	
N	204/02046	2	Galactan 5-O-arabinofuranosyltransferase (2.4.2.46)	
N	204/02047	2	Arabinofuranan 3-O-arabinosyltransferase (2.4.2.47)	
N	204/02048	2	tRNA-guanine ¹⁵ transglycosylase (2.4.2.48)	
U	204/99015	2	(KDO)3-lipid IVA (2-4) 3-deoxy-D-manno-octulosonic acid transferase (2.4.99.15)	
N	204/99016	2	Starch synthase (maltosyl-transferring) (2.4.99.16)	
N	204/99017	2	S-Adenosylmethionine:tRNA ribosyltransferase-isomerase (2.4.99.17)	
N	204/99018	2	Dolichyl-diphosphooligosaccharide—protein glycotransferase (2.4.99.18)	
N	204/99019	2	Undecaprenyl-diphosphooligosaccharide—protein glycotransferase (2.4.99.19)	
M	205/01032	2	15-Cis-phytoene synthase (2.5.1.32)	
M	205/01095	2	Xanthan ketal pyruvate transferase (2.5.1.95)	
U	205/01097	2	Pseudaminic acid synthase (2.5.1.97)	
N	205/01098	2	Rhizobium leguminosarum exopolysaccharide glucosyl ketal-pyruvate-transferase (2.5.1.98)	
N	205/01099	2	All-trans-phytoene synthase (2.5.1.99)	
N	205/011	2	Fumigaclavine A dimethylallyltransferase (2.5.1.100)	
N	205/01101	2	N,N'-Diacetyllegionamate synthase (2.5.1.101)	
N	205/01102	2	Geranyl-pyrophosphate—olivetolic acid geranyltransferase (2.5.1.102)	
N	205/01103	2	Presqualene diphosphate synthase (2.5.1.103)	
M	206/01019	2	4-Aminobutyrate—2-oxoglutarate transaminase (2.6.1.19)	
U	206/01092	2	UDP-4-amino-4,6-dideoxy-L-N-acetyl-beta-L-altrosamine transaminase (2.6.1.92)	
N	206/01093	2	Neamine transaminase (2.6.1.93)	
N	206/01094	2	2'-Deamino-2'-hydroxyneamine transaminase (2.6.1.94)	
N	206/01095	2	Neomycin C transaminase (2.6.1.95)	
N	206/01096	2	4-Aminobutyrate—pyruvate transaminase (2.6.1.96)	
N	206/01097	2	Archaeosine synthase (2.6.1.97)	
N	206/01098	2	UDP-2-acetamido-2-deoxy-ribo-hexuluronate aminotransferase (2.6.1.98)	

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N	206/01099	2	L-Tryptophan—pyruvate aminotransferase (2.6.1.99)	
U	207/01172	2	Protein-ribulosamine 3-kinase (2.7.1.172)	
N	207/01173	2	Nicotinate riboside kinase (2.7.1.173)	
N	207/01174	2	Diacylglycerol kinase (CTP dependent) (2.7.1.174)	
N	207/01175	2	Maltokinase (2.7.1.175)	
N	207/01176	2	UDP-N-acetylglucosamine kinase (2.7.1.176)	
N	207/01177	2	L-Threonine kinase (2.7.1.177)	
U	207/04025	2	(d)CMP kinase (2.7.4.25)	
N	207/04026	2	Isopentenyl phosphate kinase (2.7.4.26)	
N	207/04027	2	[Pyruvate, phosphate dikinase]-phosphate phosphotransferase (2.7.4.27)	
N	207/04028	2	[Pyruvate, water dikinase]-phosphate phosphotransferase (2.7.4.28)	
M	207/07042	2	[Glutamate--ammonia-ligase] adenylyltransferase (2.7.7.42)	
M	207/07059	2	[Protein-P _{II}] uridylyltransferase (2.7.7.59)	
M	207/07061	2	Citrate lyase holo-[acyl-carrier-protein] synthase (2.7.7.61)	
M	207/07066	2	Malonate decarboxylase holo-[acyl-carrier-protein] synthase (2.7.7.66)	
U	207/0708	2	Molybdopterin-synthase adenylyltransferase (2.7.7.80)	
N	207/07081	2	Pseudaminic acid cytidylyltransferase (2.7.7.81)	
N	207/07082	2	CMP-N,N'-diacetyllegionaminic acid synthase (2.7.7.82)	
N	207/07083	2	UDP-N-acetylgalactosamine diphosphorylase (2.7.7.83)	
M	207/08007		Holo-[acyl-carrier-protein] synthase (2.7.8.7)	
U	207/08034	2	CDP-L-myo-inositol myo-inositolphosphotransferase (2.7.8.34)	
N	207/08035	2	UDP-N-acetylglucosamine—decaprenyl-phosphate N-acetylglucosaminephosphotransferase (2.7.8.35)	
N	207/08036	2	Undecaprenyl phosphate N,N'-diacetylbaucillosamine 1-phosphate transferase (2.7.8.36)	
N	207/08037	2	Alpha-D-ribose 1-methylphosphonate 5-triphosphate synthase (2.7.8.37)	
M	207/11003	2	Dephospho-[reductase kinase] kinase (2.7.11.3)	
M	207/11004	2	[3-Methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] kinase (2.7.11.4)	
M	207/11005	2	[Isocitrate dehydrogenase (NADP+)] kinase (2.7.11.5)	
M	207/11006	2	[Tyrosine 3-monooxygenase] kinase (2.7.11.6)	
M	207/11007	2	[Myosin-heavy-chain] kinase (2.7.11.7)	

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M	207/11015	2	[Beta-adrenergic-receptor] kinase (2.7.11.15)	
M	207/11023	2	[RNA-polymerase-subunit] kinase (2.7.11.23)	
M	207/11027	2	[Acetyl-CoA carboxylase] kinase (2.7.11.27)	
M	207/11029	2	[Low-density-lipoprotein receptor] kinase (2.7.11.29)	
M	207/11031	2	[Hydroxymethylglutaryl-CoA reductase (NADPH)] kinase (2.7.11.31)	
N	207/11032	2	[Pyruvate, phosphate dikinase] kinase (2.7.11.32)	
N	207/11033	2	[Pyruvate, water dikinase] kinase (2.7.11.33)	
M	208/02008	2	[Heparan sulfate]-glucosamine N-sulfotransferase (2.8.2.8)	
M	208/02023	2	[Heparan sulfate]-glucosamine 3-sulfotransferase 1 (2.8.2.23)	
M	208/02029	2	[Heparan sulfate]-glucosamine 3-sulfotransferase 2 (2.8.2.29)	
M	208/0203	2	[Heparan sulfate]-glucosamine 3-sulfotransferase 3 (2.8.2.30)	
M	301/01085	2	Pimelyl-[acyl-carrier protein] methyl ester esterase (3.1.1.85)	
U	301/0109	2	All-trans-retinyl ester 13-cis isomerohydrolase (3.1.1.90)	
N	301/01091	2	2-Oxo-3-(5-oxofuran-2-ylidene)propanoate lactonase (3.1.1.91)	
N	301/01092	2	4-Sulfomuconolactone hydrolase (3.1.1.92)	
N	301/01093	2	Mycophenolic acid acyl-glucuronide esterase (3.1.1.93)	
M	301/02021	2	Dodecanoyl-[acyl-carrier-protein] hydrolase (3.1.2.21)	
M	301/03017	2	[Phosphorylase] phosphatase (3.1.3.17)	
M	301/03042	2	[Glycogen-synthase-D] phosphatase (3.1.3.42)	
M	301/03043	2	[Pyruvate dehydrogenase (acetyl-transferring)]-phosphatase (3.1.3.43)	
M	301/03044	2	[Acetyl-CoA carboxylase]-phosphatase (3.1.3.44)	
M	301/03047	2	[Hydroxymethylglutaryl-CoA reductase (NADPH)]-phosphatase (3.1.3.47)	
M	301/03049	2	[Pyruvate kinase]-phosphatase (3.1.3.49)	
M	301/03052	2	[3-Methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring)]-phosphatase (3.1.3.52)	
M	301/03053	2	[Myosin-light-chain] phosphatase (3.1.3.53)	
U	301/03086	2	Phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase (3.1.3.86)	
N	301/03087	2	2-Hydroxy-3-keto-5-methylthiopentenyl-1-phosphate phosphatase (3.1.3.87)	

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N	301/03088	2	5"-Phosphoribostamycin phosphatase (3.1.3.88)	
M	301/04014	2	[Acyl-carrier-protein] phosphodiesterase (3.1.4.14)	
M	301/04015	2	Adenylyl-[glutamate--ammonia ligase] hydrolase (3.1.4.15)	
U	301/07009	2	Isotuberculosinol synthase (3.1.7.9)	
N	301/0701	2	(13E)-Labda-7,13-dien-15-ol synthase (3.1.7.10)	
N	301/07011	2	Geranyl diphosphate diphosphatase (3.1.7.11)	
M	302/01089	2	Arabinogalactan endo-beta-1,4-galactanase (3.2.1.89)	
U	302/0118	2	Unsaturated chondroitin disaccharide hydrolase (3.2.1.180)	
N	302/01181	2	Galactan endo-beta-1,3-galactanase (3.2.1.181)	
N	302/01182	2	4-Hydroxy-7-methoxy-3-oxo-3,4-dihydro-2H-1,4-benzoxazin-2-yl glucoside beta-D-glucosidase (3.2.1.182)	
N	302/01183	2	UDP-N-acetylglucosamine 2-epimerase (hydrolysing) (3.2.1.183)	
N	302/01184	2	UDP-N,N'-diacetylbacillosamine 2-epimerase (hydrolysing) (3.2.1.184)	
U	304/19013	2	Glutathione hydrolase 1 (3.4.19.13)	
N	304/19014	2	Leukotriene-C4 hydrolase (3.4.19.14)	
U	305/01109	2	Sphingomyelin deacylase (3.5.1.109)	
N	305/0111	2	Peroxyureidoacrylate/ureidoacrylate amidohydrolase (3.5.1.110)	
N	305/01111	2	2-Oxoglutaramate amidase (3.5.1.111)	
N	305/01112	2	2'-N-Acetylparomamine deacetylase (3.5.1.112)	
N	305/01113	2	2'''-Acetyl-6'''-hydroxyneomycin C deacetylase (3.5.1.113)	
U	305/04031	2	S-Methyl-5'-thioadenosine deaminase (3.5.4.31)	
N	305/04032	2	8-Oxoguanine deaminase (3.5.4.32)	
U	305/99008	2	5-Nitroanthranilic acid aminohydrolase (3.5.99.8)	
N	305/99009	2	2-Nitroimidazole nitrohydrolase (3.5.99.9)	
M	306/01027	2	Undecaprenyl-diphosphate phosphatase (3.6.1.27)	
M	306/0103	2	m7G(5')pppN diphosphatase (3.6.1.30) (306/01059 and 306/01062 take precedence)	
U	306/01057	2	UDP-2,4-diacetamido-2,4,6-trideoxy-beta-L-altropyranose hydrolase (3.6.1.57)	
N	306/01058	2	8-Oxo-dGDP phosphatase (3.6.1.58)	
N	306/01059	2	m7GpppX diphosphatase (3.6.1.59)	
N	306/0106	2	Diadenosine hexaphosphate hydrolase (AMP-forming) (3.6.1.60)	
N	306/01061	2	Diadenosine hexaphosphate hydrolase (ATP-forming) (3.6.1.61)	
N	306/01062	2	m7GpppN-mRNA hydrolase (3.6.1.62)	

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N	306/01063	2	Alpha-D-ribose 1-methylphosphonate 5-triphosphate diphosphatase (3.6.1.63)	
U	307/01016	2	Oxepin-CoA hydrolase (3.7.1.16)	
N	307/01017	2	4,5:9,10-Diseco-3-hydroxy-5,9,17-trioxoandrosta-1(10),2-diene-4-oate hydrolase (3.7.1.17)	
N	307/01018	2	6-Oxocamphor hydrolase (3.7.1.18)	
N	307/01019	2	2,6-Dihydroxypseudoxyntine hydrolase (3.7.1.19)	
N	307/0102	2	3-Fumarylpyruvate hydrolase (3.7.1.20)	
M	401/01077	2	2-Oxo-3-hexenedioate decarboxylase (4.1.1.77)	
U	401/01093	2	Pyrrole-2-carboxylate decarboxylase (4.1.1.93)	
N	401/01094	2	Ethylmalonyl-CoA decarboxylase (4.1.1.94)	
N	401/01095	2	L-Glutamyl-[BtrI acyl-carrier protein] decarboxylase (4.1.1.95)	
N	401/01096	2	Carboxynorspermidine decarboxylase (4.1.1.96)	
U	401/02049	2	L-Allo-threonine aldolase (4.1.2.49)	
N	401/0205	2	6-Carboxytetrahydropterin synthase (4.1.2.50)	
D	402/01052	2	Dihydrodipicolinate synthase (4.2.1.52)	<administrative transfer to 403/03007>
D	402/01058	2	Crotonoyl-[acyl-carrier-protein hydratase (4.2.1.58)	<administrative transfer to 402/01059>
M	402/01059	2	3-Hydroxyacyl-[acyl-carrier-protein] dehydratase (4.2.1.59)	
D	402/0106	2	3-Hydroxydecanoyl-[acyl-carrier-protein dehydratase (4.2.1.60)	<administrative transfer to 402/01059>
D	402/01061	2	3-Hydroxypalmitoyl-[acyl-carrier-protein dehydratase (4.2.1.61)	administrative transfer to 402/01059
U	402/01131	2	Carotenoid 1,2-hydratase (4.2.1.131)	
N	402/01132	2	2-Hydroxyhexa-2,4-dienoate hydratase (4.2.1.132)	
N	402/01133	2	Copal-8-ol diphosphate hydratase (4.2.1.133)	
N	402/01134	2	Very-long-chain (3R)-3-hydroxyacyl-[acyl-carrier protein] dehydratase (4.2.1.134)	
N	402/01135	2	UDP-N-acetylglucosamine 4,6-dehydratase (configuration-retaining) (4.2.1.135)	
N	402/01136	2	ADP-dependent NAD(P)H-hydrate dehydratase (4.2.1.136)	
N	402/01137	2	Sporulenol synthase (4.2.1.137)	
M	402/03014	2	Pinene synthase (4.2.3.14) (402/03119 and 402/0312 take precedence)	
M	402/03018	2	Abieta-7,13-diene synthase (4.2.3.18)	
U	402/03093	2	Delta-guaiene synthase (4.2.3.93)	
N	402/03094	2	Gamma-curcumene synthase (4.2.3.94)	
N	402/03095	2	(-)-Alpha-cuprenene synthase (4.2.3.95)	
N	402/03096	2	Avermitilol synthase (4.2.3.96)	
N	402/03097	2	(-)-Delta-cadinene synthase (4.2.3.97)	

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N	402/03098	2	(+)-T-Muurolool synthase (4.2.3.98)	
N	402/03099	2	Labdatriene synthase (4.2.3.99)	
N	402/031	2	Bicyclogermacrene synthase (4.2.3.100)	
N	402/03101	2	7-Epi-sesquithujene synthase (4.2.3.101)	
N	402/03102	2	Sesquithujene synthase (4.2.3.102)	
N	402/03103	2	Ent-isokaurene synthase (4.2.3.103)	
N	402/03104	2	Alpha-humulene synthase (4.2.3.104)	
N	402/03105	2	Tricyclene synthase (4.2.3.105)	
N	402/03106	2	(E)-Beta-ocimene synthase (4.2.3.106)	
N	402/03107	2	(+)-Car-3-ene synthase (4.2.3.107)	
N	402/03108	2	1,8-Cineole synthase (4.2.3.108)	
N	402/03109	2	(-)-Sabinene synthase (4.2.3.109)	
N	402/0311	2	(+)-Sabinene synthase (4.2.3.110)	
N	402/03111	2	(-)-Alpha-terpineol synthase (4.2.3.111)	
N	402/03112	2	(+)-Alpha-terpineol synthase (4.2.3.112)	
N	402/03113	2	Terpinolene synthase (4.2.3.113)	
N	402/03114	2	Gamma-terpinene synthase (4.2.3.114)	
N	402/03115	2	Alpha-terpinene synthase (4.2.3.115)	
N	402/03116	2	(+)-Camphene synthase (4.2.3.116)	
N	402/03117	2	(-)-Camphene synthase (4.2.3.117)	
N	402/03118	2	2-Methylisoborneol synthase (4.2.3.118)	
N	402/03119	2	(-)-Alpha-pinene synthase (4.2.3.119)	
N	402/0312	2	(-)-Beta-pinene synthase (4.2.3.120)	
N	402/03121	2	(+)-Alpha-pinene synthase (4.2.3.121)	
N	402/03122	2	Beta-pinene synthase (4.2.3.122)	
N	402/03123	2	Beta-sesquiphellandrene synthase (4.2.3.123)	
N	402/03124	2	2-Deoxy-scylo-inosose synthase (4.2.3.124)	
N	402/03125	2	Alpha-muurolole synthase (4.2.3.125)	
N	402/03126	2	Gamma-muurolole synthase (4.2.3.126)	
N	402/03127	2	Beta-copaene synthase (4.2.3.127)	
N	402/03128	2	Beta-cubebene synthase (4.2.3.128)	
N	402/03129	2	(+)-Sativene synthase (4.2.3.129)	
N	402/0313	2	Tetraprenyl-beta-curcumene synthase (4.2.3.130)	
N	402/03131	2	Miltiradiene synthase (4.2.3.131)	
N	402/03132	2	Neoabietadiene synthase (4.2.3.132)	
N	402/03133	2	Alpha-copaene synthase (4.2.3.133)	
N	402/03134	2	5-Phosphonoxy-L-lysine phospho-lyase (4.2.3.134)	
N	402/03135	2	DELTA6-protoilludene synthase (4.2.3.135)	
N	402/03136	2	Alpha-isocomene synthase (4.2.3.136)	
N	402/03137	2	(E)-2-Epi-beta-caryophyllene synthase (4.2.3.137)	
N	402/03138	2	(+)-Epi-alpha-bisabolol synthase (4.2.3.138)	
N	402/03139	2	Valerena-4,7(11)-diene synthase (4.2.3.139)	
N	402/0314	2	Cis-abienol synthase (4.2.3.140)	

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U	403/01027	2	Threo-3-hydroxy-D-aspartate ammonia-lyase (4.3.1.27)	
N	403/01028	2	L-Lysine cyclodeaminase (4.3.1.28)	
U	403/02005	2	Peptidylamidoglycolate lyase (4.3.2.5)	
N	403/02006	2	Gamma-L-glutamyl-butyrosin B gamma-glutamyl cyclotransferase (4.3.2.6)	
U	403/03006	2	Pyridoxal 5'-phosphate synthase (glutamine hydrolyzing)(4.3.3.6)	
N	403/03007	2	4-Hydroxy-tetrahydrodipicolinate synthase (4.3.3.7)	
U	403/99002	2	Carboxybiotin decarboxylase (4.3.99.2)	
N	403/99003	2	7-Carboxy-7-deazaguanine synthase (4.3.99.3)	
U	404/01025	2	L-Cysteate sulfo-lyase (4.4.1.25)	
N	404/01026	2	Olivetolic acid cyclase (4.4.1.26)	
M	501/03014	2	UDP-N-acetylglucosamine 2-epimerase (non-hydrolysing) (5.1.3.14)	
U	501/03024	2	N-Acetylneuraminate epimerase (5.1.3.24)	
N	501/03025	2	dTDP-L-rhamnose 4-epimerase (5.1.3.25)	
U	501/99005	2	Hydantoin racemase (5.1.99.5)	
N	501/99006	2	NAD(P)H-hydrate epimerase (5.1.99.6)	
U	502/01013	2	Prolycopene isomerase (5.2.1.13)	
N	502/01014	2	Beta-carotene isomerase (5.2.1.14)	
M	503/01017	2	5-Dehydro-4-deoxy-D-glucuronate isomerase (5.3.1.17)	
U	503/02004	2	TDP-4-oxo-6-deoxy-alpha-D-glucose-3,4-oxoisomerase (dTDP-3-dehydro-6-deoxy-alpha-D-glucopyranose-forming) (5.3.2.4)	
N	503/02005	2	2,3-Diketo-5-methylthiopentyl-1-phosphate enolase (5.3.2.5)	
N	503/02006	2	2-Hydroxyomuconate tautomerase (5.3.2.6)	
M	503/03014		Trans-2-decenoyl-[acyl-carrier-protein] isomerase (5.3.3.14)	
U	503/99009	2	Neoxanthin synthase (5.3.99.9)	
N	503/9901	2	Thiazole tautomerase (5.3.99.10)	
U	504/03008	2	Glutamate-1-semialdehyde 2,1-aminomutase (5.4.3.8)	
N	504/03009	2	Glutamate 2,3-aminomutase (5.4.3.9)	
U	504/99056	2	Tirucalladienol synthase (5.4.99.56)	
N	504/99057	2	Baruol synthase (5.4.99.57)	
N	504/99058	2	Methylornithine synthase (5.4.99.58)	
U	505/0102	2	Prosolanapyrone-III cycloisomerase (5.5.1.20)	
N	505/01022	2	(-)-Bornyl diphosphate synthase (5.5.1.22)	
D	601/01025	2	Lysine--tRNA(Pyl) ligase (6.1.1.25)	Deleted entry. Empty subgroup
M	602/0102	2	Long-chain-fatty-acid--[acyl-carrier-protein] ligase (6.2.1.20)	

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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>
M	602/01022	2	[Citrate (pro-3S)-lyase] ligase (6.2.1.22)	
U	602/01037	2	3-Hydroxybenzoate--CoA ligase (6.2.1.37)	
N	602/01038	2	(2,2,3-Trimethyl-5-oxocyclopent-3-enyl)acetyl-CoA synthase (6.2.1.38)	
N	602/01039	2	[Butirosin acyl-carrier protein]—L-glutamate ligase (6.2.1.39)	
D	603/02027	2	Aerobactin synthase (6.3.2.27)	<administrative transfer to 603/02039>
U	603/02037	2	UDP-N-acetylmuramoyl-L-alanyl-D-glutamate--D-lysine ligase (6.3.2.37)	
N	603/02038	2	N2-Citryl-N6-acetyl-N6-hydroxylysine synthase (6.3.2.38)	
N	603/02039	2	Aerobactin synthase (6.3.2.39)	
M	603/04009	2	Biotin--[methylmalonyl-CoA-carboxytransferase] ligase (6.3.4.9)	
M	603/0401	2	Biotin--[propionyl-CoA-carboxylase (ATP-hydrolyzing)] ligase (6.3.4.10)	
M	603/04011	2	Biotin--[methylcrotonoyl-CoA-carboxylase] ligase (6.3.4.11)	
U	603/04019	2	tRNA(Ile)-lysidine synthetase (6.3.4.19)	
N	603/0402	2	7-Cyano-7-deazaguanine synthase (6.3.4.20)	

*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. , 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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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>
C12Y	Definition Statement	(as valid on 1 January 2012)	(as valid on 1 January 2013)

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)

Type*	From CPC Symbol (existing)	To CPC Symbol(s)
D	C12Y101/01063	<administrative transfer to C12Y101/01239>
D	C12Y101/01128	<administrative transfer to C12Y101/01264>
D	C12Y101/01161	<administrative transfer to C12Y114/13015>
D	C12Y102/0104	<administrative transfer to C12Y114/13015>
D	C12Y102/03011	<administrative transfer to C12Y102/03001>
D	C12Y103/01004	<administrative transfer to C12Y103/01022>
D	C12Y103/0103	<administrative transfer to C12Y103/01022>
D	C12Y103/01052	<administrative transfer to C12Y103/08005>
D	C12Y103/99007	<administrative transfer to C12Y103/08006>
D	C12Y103/9901	<administrative transfer to C12Y103/08004>
D	C12Y103/99013	<administrative transfer to C12Y103/08008>
D	C12Y103/99021	<administrative transfer to C12Y103/08003>
D	C12Y105/99001	<administrative transfer to C12Y105/08003>
D	C12Y105/99002	<administrative transfer to C12Y105/08004>
D	C12Y113/11013	Deleted entry. Empty subgroup.
D	C12Y113/12012	<administrative transfer to C12Y113/11067>
D	C12Y114/15002	<administrative transfer to C12Y114/13162>
D	C12Y114/99028	<administrative transfer to C12Y114/13151>
D	C12Y204/01119	<administrative transfer to C12Y204/99018>
D	C12Y402/01052	<administrative transfer to C12Y403/03007>
D	C12Y402/01058	<administrative transfer to C12Y402/01059>
D	C12Y402/0106	<administrative transfer to C12Y402/01059>
D	C12Y402/01061	<administrative transfer to C12Y402/01059>
D	C12Y601/01025	Deleted entry. Empty subgroup
D	C12Y603/02027	<administrative transfer to C12Y603/02039>

* 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, 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.
- 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>
C12Y101/01318	CPCONLY	new CPC/IPC
C12Y101/01319	CPCONLY	new CPC/IPC
C12Y101/0132	CPCONLY	new CPC/IPC
C12Y101/01321	CPCONLY	new CPC/IPC
C12Y101/01322	CPCONLY	new CPC/IPC
C12Y101/01323	CPCONLY	new CPC/IPC
C12Y101/01324	CPCONLY	new CPC/IPC
C12Y101/01325	CPCONLY	new CPC/IPC
C12Y101/01326	CPCONLY	new CPC/IPC
C12Y101/01327	CPCONLY	new CPC/IPC
C12Y101/01328	CPCONLY	new CPC/IPC
C12Y101/01329	CPCONLY	new CPC/IPC
C12Y101/0133	CPCONLY	new CPC/IPC
C12Y101/01331	CPCONLY	new CPC/IPC
C12Y101/01332	CPCONLY	new CPC/IPC
C12Y101/01333	CPCONLY	new CPC/IPC
C12Y101/01334	CPCONLY	new CPC/IPC
C12Y101/01335	CPCONLY	new CPC/IPC
C12Y101/01336	CPCONLY	new CPC/IPC
C12Y101/01337	CPCONLY	new CPC/IPC
C12Y101/01338	CPCONLY	new CPC/IPC
C12Y101/01339	CPCONLY	new CPC/IPC
C12Y101/0134	CPCONLY	new CPC/IPC
C12Y101/01341	CPCONLY	new CPC/IPC
C12Y101/01342	CPCONLY	new CPC/IPC
C12Y101/03043	CPCONLY	new CPC/IPC
C12Y101/03044	CPCONLY	new CPC/IPC
C12Y101/98003	CPCONLY	new CPC/IPC
C12Y101/99038	CPCONLY	new CPC/IPC
C12Y102/01083	CPCONLY	new CPC/IPC
C12Y 102/01084	CPCONLY	new CPC/IPC
C12Y 102/01085	CPCONLY	new CPC/IPC
C12Y 102/01086	CPCONLY	new CPC/IPC
C12Y 103/01092	CPCONLY	new CPC/IPC
C12Y 103/01093	CPCONLY	new CPC/IPC
C12Y 103/01094	CPCONLY	new CPC/IPC
C12Y 103/01095	CPCONLY	new CPC/IPC
C12Y 103/01096	CPCONLY	new CPC/IPC
C12Y 103/01097	CPCONLY	new CPC/IPC
C12Y 103/0701	CPCONLY	new CPC/IPC
C12Y 103/08003	CPCONLY	new CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12Y 103/08004	CPCONLY	new CPC/IPC
C12Y 103/08005	CPCONLY	new CPC/IPC
C12Y 103/08006	CPCONLY	new CPC/IPC
C12Y 103/08007	CPCONLY	new CPC/IPC
C12Y 103/08008	CPCONLY	new CPC/IPC
C12Y 103/08009	CPCONLY	new CPC/IPC
C12Y 103/99032	CPCONLY	new CPC/IPC
C12Y 104/01023	CPCONLY	new CPC/IPC
C12Y 104/01024	CPCONLY	new CPC/IPC
C12Y 104/03024	CPCONLY	new CPC/IPC
C12Y 105/01043	CPCONLY	new CPC/IPC
C12Y 105/01044	CPCONLY	new CPC/IPC
C12Y 105/01045	CPCONLY	new CPC/IPC
C12Y 105/03019	CPCONLY	new CPC/IPC
C12Y 105/0302	CPCONLY	new CPC/IPC
C12Y 105/03021	CPCONLY	new CPC/IPC
C12Y 105/08003	CPCONLY	new CPC/IPC
C12Y 105/08004	CPCONLY	new CPC/IPC
C12Y 105/99014	CPCONLY	new CPC/IPC
C12Y 107/02006	CPCONLY	new CPC/IPC
C12Y 113/11063	CPCONLY	new CPC/IPC
C12Y 113/11064	CPCONLY	new CPC/IPC
C12Y 113/11065	CPCONLY	new CPC/IPC
C12Y 113/11066	CPCONLY	new CPC/IPC
C12Y 113/11067	CPCONLY	new CPC/IPC
C12Y 113/11068	CPCONLY	new CPC/IPC
C12Y 113/11069	CPCONLY	new CPC/IPC
C12Y 113/1107	CPCONLY	new CPC/IPC
C12Y 113/11071	CPCONLY	new CPC/IPC
C12Y 113/11072	CPCONLY	new CPC/IPC
C12Y 113/11073	CPCONLY	new CPC/IPC
C12Y 114/11035	CPCONLY	new CPC/IPC
C12Y 114/11036	CPCONLY	new CPC/IPC
C12Y 114/13137	CPCONLY	new CPC/IPC
C12Y 114/13138	CPCONLY	new CPC/IPC
C12Y 114/13139	CPCONLY	new CPC/IPC
C12Y 114/1314	CPCONLY	new CPC/IPC
C12Y 114/13141	CPCONLY	new CPC/IPC
C12Y 114/13142	CPCONLY	new CPC/IPC
C12Y 114/13143	CPCONLY	new CPC/IPC
C12Y 114/13144	CPCONLY	new CPC/IPC
C12Y 114/13145	CPCONLY	new CPC/IPC
C12Y 114/13146	CPCONLY	new CPC/IPC
C12Y 114/13147	CPCONLY	new CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12Y 114/13148	CPCONLY	new CPC/IPC
C12Y 114/13149	CPCONLY	new CPC/IPC
C12Y 114/1315	CPCONLY	new CPC/IPC
C12Y 114/13151	CPCONLY	new CPC/IPC
C12Y 114/13152	CPCONLY	new CPC/IPC
C12Y 114/13153	CPCONLY	new CPC/IPC
C12Y 114/13154	CPCONLY	new CPC/IPC
C12Y 114/13155	CPCONLY	new CPC/IPC
C12Y 114/13156	CPCONLY	new CPC/IPC
C12Y 114/13157	CPCONLY	new CPC/IPC
C12Y 114/13158	CPCONLY	new CPC/IPC
C12Y 114/13159	CPCONLY	new CPC/IPC
C12Y 114/1316	CPCONLY	new CPC/IPC
C12Y 114/13161	CPCONLY	new CPC/IPC
C12Y 114/13162	CPCONLY	new CPC/IPC
C12Y 114/13163	CPCONLY	new CPC/IPC
C12Y 114/13165	CPCONLY	new CPC/IPC
C12Y 114/13166	CPCONLY	new CPC/IPC
C12Y 114/13167	CPCONLY	new CPC/IPC
C12Y 114/13168	CPCONLY	new CPC/IPC
C12Y 114/13169	CPCONLY	new CPC/IPC
C12Y 114/1317	CPCONLY	new CPC/IPC
C12Y 114/13171	CPCONLY	new CPC/IPC
C12Y 114/14013	CPCONLY	new CPC/IPC
C12Y 114/15009	CPCONLY	new CPC/IPC
C12Y 114/1501	CPCONLY	new CPC/IPC
C12Y 114/15011	CPCONLY	new CPC/IPC
C12Y 114/20002	CPCONLY	new CPC/IPC
C12Y 114/99046	CPCONLY	new CPC/IPC
C12Y 114/99047	CPCONLY	new CPC/IPC
C12Y 117/02002	CPCONLY	new CPC/IPC
C12Y 118/01005	CPCONLY	new CPC/IPC
C12Y 118/01006	CPCONLY	new CPC/IPC
C12Y 121/03007	CPCONLY	new CPC/IPC
C12Y 121/03008	CPCONLY	new CPC/IPC
C12Y 201/01239	CPCONLY	new CPC/IPC
C12Y 201/0124	CPCONLY	new CPC/IPC
C12Y 201/01241	CPCONLY	new CPC/IPC
C12Y 201/01242	CPCONLY	new CPC/IPC
C12Y 201/01243	CPCONLY	new CPC/IPC
C12Y 201/01244	CPCONLY	new CPC/IPC
C12Y 201/01245	CPCONLY	new CPC/IPC
C12Y 201/01246	CPCONLY	new CPC/IPC
C12Y 201/01247	CPCONLY	new CPC/IPC

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C12Y 201/01248	CPCONLY	new CPC/IPC
C12Y 201/01249	CPCONLY	new CPC/IPC
C12Y 201/0125	CPCONLY	new CPC/IPC
C12Y 201/01251	CPCONLY	new CPC/IPC
C12Y 201/01252	CPCONLY	new CPC/IPC
C12Y 201/01253	CPCONLY	new CPC/IPC
C12Y 201/01254	CPCONLY	new CPC/IPC
C12Y 201/01255	CPCONLY	new CPC/IPC
C12Y 201/01256	CPCONLY	new CPC/IPC
C12Y 201/01257	CPCONLY	new CPC/IPC
C12Y 201/01258	CPCONLY	new CPC/IPC
C12Y 201/01259	CPCONLY	new CPC/IPC
C12Y 201/0126	CPCONLY	new CPC/IPC
C12Y 201/01261	CPCONLY	new CPC/IPC
C12Y 201/01262	CPCONLY	new CPC/IPC
C12Y 201/01263	CPCONLY	new CPC/IPC
C12Y 201/01264	CPCONLY	new CPC/IPC
C12Y 201/01265	CPCONLY	new CPC/IPC
C12Y 202/0101	CPCONLY	new CPC/IPC
C12Y 202/01011	CPCONLY	new CPC/IPC
C12Y 203/01197	CPCONLY	new CPC/IPC
C12Y 203/01198	CPCONLY	new CPC/IPC
C12Y 203/01199	CPCONLY	new CPC/IPC
C12Y 203/012	CPCONLY	new CPC/IPC
C12Y 203/01201	CPCONLY	new CPC/IPC
C12Y 203/01202	CPCONLY	new CPC/IPC
C12Y 203/01203	CPCONLY	new CPC/IPC
C12Y 203/01204	CPCONLY	new CPC/IPC
C12Y 203/01205	CPCONLY	new CPC/IPC
C12Y 203/01206	CPCONLY	new CPC/IPC
C12Y 203/01207	CPCONLY	new CPC/IPC
C12Y 203/01208	CPCONLY	new CPC/IPC
C12Y 203/01209	CPCONLY	new CPC/IPC
C12Y 203/0121	CPCONLY	new CPC/IPC
C12Y 203/02019	CPCONLY	new CPC/IPC
C12Y 204/01278	CPCONLY	new CPC/IPC
C12Y 204/01279	CPCONLY	new CPC/IPC
C12Y 204/0128	CPCONLY	new CPC/IPC
C12Y 204/01281	CPCONLY	new CPC/IPC
C12Y 204/01282	CPCONLY	new CPC/IPC
C12Y 204/01283	CPCONLY	new CPC/IPC
C12Y 204/01284	CPCONLY	new CPC/IPC
C12Y 204/01285	CPCONLY	new CPC/IPC
C12Y 204/01286	CPCONLY	new CPC/IPC

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C12Y 204/01287	CPCONLY	new CPC/IPC
C12Y 204/01288	CPCONLY	new CPC/IPC
C12Y 204/01289	CPCONLY	new CPC/IPC
C12Y 204/0129	CPCONLY	new CPC/IPC
C12Y 204/01291	CPCONLY	new CPC/IPC
C12Y 204/01292	CPCONLY	new CPC/IPC
C12Y 204/01293	CPCONLY	new CPC/IPC
C12Y 204/02045	CPCONLY	new CPC/IPC
C12Y 204/02046	CPCONLY	new CPC/IPC
C12Y 204/02047	CPCONLY	new CPC/IPC
C12Y 204/02048	CPCONLY	new CPC/IPC
C12Y 204/99016	CPCONLY	new CPC/IPC
C12Y 204/99017	CPCONLY	new CPC/IPC
C12Y 204/99018	CPCONLY	new CPC/IPC
C12Y 204/99019	CPCONLY	new CPC/IPC
C12Y 205/01098	CPCONLY	new CPC/IPC
C12Y 205/01099	CPCONLY	new CPC/IPC
C12Y 205/011	CPCONLY	new CPC/IPC
C12Y 205/01101	CPCONLY	new CPC/IPC
C12Y 205/01102	CPCONLY	new CPC/IPC
C12Y 205/01103	CPCONLY	new CPC/IPC
C12Y 206/01093	CPCONLY	new CPC/IPC
C12Y 206/01094	CPCONLY	new CPC/IPC
C12Y 206/01095	CPCONLY	new CPC/IPC
C12Y 206/01096	CPCONLY	new CPC/IPC
C12Y 206/01097	CPCONLY	new CPC/IPC
C12Y 206/01098	CPCONLY	new CPC/IPC
C12Y 206/01099	CPCONLY	new CPC/IPC
C12Y 207/01173	CPCONLY	new CPC/IPC
C12Y 207/01174	CPCONLY	new CPC/IPC
C12Y 207/01175	CPCONLY	new CPC/IPC
C12Y 207/01176	CPCONLY	new CPC/IPC
C12Y 207/01177	CPCONLY	new CPC/IPC
C12Y 207/04026	CPCONLY	new CPC/IPC
C12Y 207/04027	CPCONLY	new CPC/IPC
C12Y 207/04028	CPCONLY	new CPC/IPC
C12Y 207/07081	CPCONLY	new CPC/IPC
C12Y 207/07082	CPCONLY	new CPC/IPC
C12Y 207/07083	CPCONLY	new CPC/IPC
C12Y 207/08035	CPCONLY	new CPC/IPC
C12Y 207/08036	CPCONLY	new CPC/IPC
C12Y 207/08037	CPCONLY	new CPC/IPC
C12Y 207/11032	CPCONLY	new CPC/IPC
C12Y 207/11033	CPCONLY	new CPC/IPC

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C12Y 301/01091	CPCONLY	new CPC/IPC
C12Y 301/01092	CPCONLY	new CPC/IPC
C12Y 301/01093	CPCONLY	new CPC/IPC
C12Y 301/03087	CPCONLY	new CPC/IPC
C12Y 301/03088	CPCONLY	new CPC/IPC
C12Y 301/0701	CPCONLY	new CPC/IPC
C12Y 301/07011	CPCONLY	new CPC/IPC
C12Y 302/01181	CPCONLY	new CPC/IPC
C12Y 302/01182	CPCONLY	new CPC/IPC
C12Y 302/01183	CPCONLY	new CPC/IPC
C12Y 302/01184	CPCONLY	new CPC/IPC
C12Y 304/19014	CPCONLY	new CPC/IPC
C12Y 305/0111	CPCONLY	new CPC/IPC
C12Y 305/01111	CPCONLY	new CPC/IPC
C12Y 305/01112	CPCONLY	new CPC/IPC
C12Y 305/01113	CPCONLY	new CPC/IPC
C12Y 305/04032	CPCONLY	new CPC/IPC
C12Y 305/99009	CPCONLY	new CPC/IPC
C12Y 306/01058	CPCONLY	new CPC/IPC
C12Y 306/01059	CPCONLY	new CPC/IPC
C12Y 306/0106	CPCONLY	new CPC/IPC
C12Y 306/01061	CPCONLY	new CPC/IPC
C12Y 306/01062	CPCONLY	new CPC/IPC
C12Y 306/01063	CPCONLY	new CPC/IPC
C12Y 307/01017	CPCONLY	new CPC/IPC
C12Y 307/01018	CPCONLY	new CPC/IPC
C12Y 307/01019	CPCONLY	new CPC/IPC
C12Y 307/0102	CPCONLY	new CPC/IPC
C12Y 401/01094	CPCONLY	new CPC/IPC
C12Y 401/01095	CPCONLY	new CPC/IPC
C12Y 401/01096	CPCONLY	new CPC/IPC
C12Y 401/0205	CPCONLY	new CPC/IPC
C12Y 402/01132	CPCONLY	new CPC/IPC
C12Y 402/01133	CPCONLY	new CPC/IPC
C12Y 402/01134	CPCONLY	new CPC/IPC
C12Y 402/01135	CPCONLY	new CPC/IPC
C12Y 402/01136	CPCONLY	new CPC/IPC
C12Y 402/01137	CPCONLY	new CPC/IPC
C12Y 402/03094	CPCONLY	new CPC/IPC
C12Y 402/03095	CPCONLY	new CPC/IPC
C12Y 402/03096	CPCONLY	new CPC/IPC
C12Y 402/03097	CPCONLY	new CPC/IPC
C12Y 402/03098	CPCONLY	new CPC/IPC
C12Y 402/03099	CPCONLY	new CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12Y 402/031	CPCONLY	new CPC/IPC
C12Y 402/03101	CPCONLY	new CPC/IPC
C12Y 402/03102	CPCONLY	new CPC/IPC
C12Y 402/03103	CPCONLY	new CPC/IPC
C12Y 402/03104	CPCONLY	new CPC/IPC
C12Y 402/03105	CPCONLY	new CPC/IPC
C12Y 402/03106	CPCONLY	new CPC/IPC
C12Y 402/03107	CPCONLY	new CPC/IPC
C12Y 402/03108	CPCONLY	new CPC/IPC
C12Y 402/03109	CPCONLY	new CPC/IPC
C12Y 402/0311	CPCONLY	new CPC/IPC
C12Y 402/03111	CPCONLY	new CPC/IPC
C12Y 402/03112	CPCONLY	new CPC/IPC
C12Y 402/03113	CPCONLY	new CPC/IPC
C12Y 402/03114	CPCONLY	new CPC/IPC
C12Y 402/03115	CPCONLY	new CPC/IPC
C12Y 402/03116	CPCONLY	new CPC/IPC
C12Y 402/03117	CPCONLY	new CPC/IPC
C12Y 402/03118	CPCONLY	new CPC/IPC
C12Y 402/03119	CPCONLY	new CPC/IPC
C12Y 402/0312	CPCONLY	new CPC/IPC
C12Y 402/03121	CPCONLY	new CPC/IPC
C12Y 402/03122	CPCONLY	new CPC/IPC
C12Y 402/03123	CPCONLY	new CPC/IPC
C12Y 402/03124	CPCONLY	new CPC/IPC
C12Y 402/03125	CPCONLY	new CPC/IPC
C12Y 402/03126	CPCONLY	new CPC/IPC
C12Y 402/03127	CPCONLY	new CPC/IPC
C12Y 402/03128	CPCONLY	new CPC/IPC
C12Y 402/03129	CPCONLY	new CPC/IPC
C12Y 402/0313	CPCONLY	new CPC/IPC
C12Y 402/03131	CPCONLY	new CPC/IPC
C12Y 402/03132	CPCONLY	new CPC/IPC
C12Y 402/03133	CPCONLY	new CPC/IPC
C12Y 402/03134	CPCONLY	new CPC/IPC
C12Y 402/03135	CPCONLY	new CPC/IPC
C12Y 402/03136	CPCONLY	new CPC/IPC
C12Y 402/03137	CPCONLY	new CPC/IPC
C12Y 402/03138	CPCONLY	new CPC/IPC
C12Y 402/03139	CPCONLY	new CPC/IPC
C12Y 402/0314	CPCONLY	new CPC/IPC
C12Y 403/01028	CPCONLY	new CPC/IPC
C12Y 403/02006	CPCONLY	new CPC/IPC
C12Y 403/03007	CPCONLY	new CPC/IPC

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<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
C12Y 403/99003	CPCONLY	new CPC/IPC
C12Y 404/01026	CPCONLY	new CPC/IPC
C12Y 501/03025	CPCONLY	new CPC/IPC
C12Y 501/99006	CPCONLY	new CPC/IPC
C12Y 502/01014	CPCONLY	new CPC/IPC
C12Y 503/02005	CPCONLY	new CPC/IPC
C12Y 503/02006	CPCONLY	new CPC/IPC
C12Y 503/9901	CPCONLY	new CPC/IPC
C12Y 504/03009	CPCONLY	new CPC/IPC
C12Y 504/99057	CPCONLY	new CPC/IPC
C12Y 504/99058	CPCONLY	new CPC/IPC
C12Y 505/01022	CPCONLY	new CPC/IPC
C12Y 602/01038	CPCONLY	new CPC/IPC
C12Y 602/01039	CPCONLY	new CPC/IPC
C12Y 603/02038	CPCONLY	new CPC/IPC
C12Y 603/02039	CPCONLY	new CPC/IPC
C12Y 603/0402	CPCONLY	new CPC/IPC
C12Y101/01063		delete CPC/IPC
C12Y101/01128		delete CPC/IPC
C12Y101/01161		delete CPC/IPC
C12Y 102/0104		delete CPC/IPC
C12Y 102/03011		delete CPC/IPC
C12Y 103/01004		delete CPC/IPC
C12Y 103/0103		delete CPC/IPC
C12Y 103/01052		delete CPC/IPC
C12Y 103/99007		delete CPC/IPC
C12Y 103/9901		delete CPC/IPC
C12Y 103/99013		delete CPC/IPC
C12Y 103/99021		delete CPC/IPC
C12Y 105/99001		delete CPC/IPC
C12Y 105/99002		delete CPC/IPC
C12Y 113/11013		delete CPC/IPC
C12Y 113/12012		delete CPC/IPC
C12Y 114/15002		delete CPC/IPC
C12Y 114/99028		delete CPC/IPC
C12Y 204/01119		delete CPC/IPC
C12Y 402/01052		delete CPC/IPC
C12Y 402/01058		delete CPC/IPC
C12Y 402/0106		delete CPC/IPC
C12Y 402/01061		delete CPC/IPC
C12Y 601/01025		delete CPC/IPC
C12Y 603/02027		delete CPC/IPC

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*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.