

Technical Working Party for Ornamental Plants and Forest Trees **TWO/50/4**

Fiftieth Session
Victoria, British Columbia, Canada, September 11 to 15, 2017

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UPOV COLOR GROUPS

Document prepared by an expert from Germany

Disclaimer: this document does not represent UPOV policies or guidance

EXECUTIVE SUMMARY

1. The purpose of this document is to present a proposal for the revision of document TGP/14 “Glossary of terms used in UPOV documents”, Section 2: Botanical Terms: Subsection 3: Color: Annex, to replace the current list of UPOV Color Groups by a new list created on the basis of the Sixth Edition of the RHS Colour Chart.
2. The Technical Working Party for Ornamental Plants and Forest Trees (TWO) is invited to consider whether to propose the revision of the list of UPOV Color Groups in document TGP/14 “Glossary of terms used in UPOV documents” on the basis of the color groups set out in paragraph 8 of this document.
3. The structure of this document is as follows:

EXECUTIVE SUMMARY1

PROPOSAL FOR A REVISION OF THE UPOV COLOR GROUPS AS PRESENTED IN DOCUMENT TGP/14
 “GLOSSARY OF TERMS USED IN UPOV DOCUMENTS”1

ANNEX Proposal for the allocation of the Sixth Edition of the RHS Colour Chart to new UPOV Color
 Groups

PROPOSAL FOR A REVISION OF THE UPOV COLOR GROUPS AS PRESENTED IN DOCUMENT TGP/14 “GLOSSARY OF TERMS USED IN UPOV DOCUMENTS”

4. At its forty-ninth session, in 2016, the TWO considered document TWO/49/20 “Definition of color groups from RHS colour charts”. The TWO noted that the current UPOV Color Groups are based on the charts of the 1986 Edition of the RHS Colour Chart and that some charts of this edition and later versions have different colors than the same charts in the Sixth Edition (2015).
5. Therefore, the TWO agreed to request an expert from Germany to create a revised list to replace the current UPOV Color Groups as presented in document TGP/14 “Glossary of terms used in UPOV documents” on the basis of the 2015 Edition of the RHS Colour Chart (see document TWO/49/25 Rev. “Revised Report”, paragraph 60).
6. Experts from the Netherlands and Germany checked the current UPOV Groups with the Sixth Edition of the RHS Colour Chart and created 72 groups for the 920 patches in order to have a better descriptive color name compared to the current UPOV Groups.
7. The new grouping is based on the color hue and the color intensity. Some of the larger old groups have been divided into three new groups: e.g. orange was divided into light orange, medium orange and dark orange. For some colors it was not possible to create three new groups because the “light” or “dark” intensities for that color were missing. One new group “pink” has been created and the old groups 22 “dark pink red”, 39 “grey blue” and 49 “green grey” have been deleted.

8. The proposal is to have the following groups:

New Group N°	New Group Name
1	white
2	light green
3	medium green
4	dark green
5	light yellow green
6	medium yellow green
7	light grey green
8	medium grey green
9	dark grey green
10	light blue green
11	medium blue green
12	dark blue green
13	light brown green
14	medium brown green
15	dark brown green
16	light yellow
17	medium yellow
18	dark yellow
19	light yellow orange
20	medium yellow orange
21	dark yellow orange
22	light orange
23	medium orange
24	dark orange
25	light orange pink
26	medium orange pink
27	light red pink
28	medium red pink
29	pink
30	light blue pink
31	medium blue pink
32	dark blue pink
33	orange red
34	light red
35	medium red
36	dark red

New Group N°	New Group Name
37	medium purple red
38	dark purple red
39	brown red
40	medium brown purple
41	dark brown purple
42	medium purple
43	dark purple
44	light violet
45	medium violet
46	dark violet
47	light blue violet
48	medium blue violet
49	dark blue violet
50	light violet blue
51	medium violet blue
52	dark violet blue
53	light blue
54	medium blue
55	dark blue
56	light green blue
57	medium green blue
58	dark green blue
59	light brown
60	medium brown
61	dark brown
62	light yellow brown
63	medium yellow brown
64	orange brown
65	grey brown
66	light green brown
67	medium green brown
68	dark green brown
69	light grey
70	medium grey
71	dark grey
72	black

9. The Annex to this document provides the complete list for every patch of the Sixth Edition of the RHS Colour Chart can be found together with an overview of how the color name would change compared to the current UPOV color name.

10. When creating the different groups, it was apparent that several color patches could be placed in at least two groups. For example, the darkest patch in light violet could be very likely the lightest patch in medium violet. Color can be defined in terms of three elements: hue (distinguishes the different colors), saturation (the element of color that indicates the purity or grayness of the color) and intensity (how the color is perceived by the eye on a light to dark scale) (see document TGP/14 "Glossary of Terms used in UPOV Documents", Subsection 3 "Color"). Due to its three dimensional character, color cannot be arranged on a

linear scale and therefore it is not possible to create groups in which all color patches are clearly different from all color patches in another group.

11. It should be emphasized that the purpose of the proposed UPOV Color Groups is to harmonize color names for variety descriptions (see paragraph 1.1 in document TGP/14/3 "Glossary of Terms used in UPOV Documents", Section 2: Botanical Terms, Subsection 3: Color: Annex).

12. The TWO is invited to consider whether to propose the revision of the list of UPOV Color Groups in document TGP/14 "Glossary of Terms used in UPOV Documents" on the basis of the color groups set out in paragraph 8 of this document.

[Annex follows]

ANNEX

PROPOSAL FOR THE ALLOCATION OF THE SIXTH EDITION OF THE RHS COLOUR CHART
TO NEW UPOV COLOR GROUPS

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
1	white	155A	3	medium green	129A
1	white	155B	3	medium green	130A
1	white	155C	3	medium green	132D
1	white	155D	3	medium green	134A
1	white	157D	3	medium green	134B
1	white	N155B	3	medium green	135C
1	white	N155C	3	medium green	140A
1	white	N155D	3	medium green	140B
1	white	NN155A	3	medium green	141C
1	white	NN155B	3	medium green	143A
1	white	NN155C	3	medium green	143B
1	white	NN155D	3	medium green	143C
2	light green	130B	3	medium green	144A
2	light green	134C	3	medium green	N134C
2	light green	134D	3	medium green	N134D
2	light green	135D	4	dark green	131A
2	light green	136D	4	dark green	131B
2	light green	138C	4	dark green	131C
2	light green	138D	4	dark green	131D
2	light green	139D	4	dark green	132A
2	light green	140C	4	dark green	132B
2	light green	140D	4	dark green	132C
2	light green	141D	4	dark green	133A
2	light green	142A	4	dark green	135A
2	light green	142B	4	dark green	135B
2	light green	142C	4	dark green	136A
2	light green	142D	4	dark green	136B
2	light green	143D	4	dark green	137A
2	light green	144B	4	dark green	139A
2	light green	144C	4	dark green	141A
2	light green	144D	4	dark green	141B
2	light green	145A	4	dark green	N134A
2	light green	145B	4	dark green	N134B
2	light green	145C	4	dark green	N138A
2	light green	145D	4	dark green	NN137B
2	light green	149A	4	dark green	NN137C
2	light green	149B	5	light yellow green	1C
2	light green	149C	5	light yellow green	2C
2	light green	149D	5	light yellow green	154D
2	light green	151A	6	medium yellow green	1A
2	light green	151B	6	medium yellow green	1B
2	light green	157A	6	medium yellow green	150A
2	light green	157B	6	medium yellow green	150B
2	light green	157C	6	medium yellow green	150C
2	light green	N144A	6	medium yellow green	151C
2	light green	N144B	6	medium yellow green	151D
2	light green	N144C	6	medium yellow green	154A
2	light green	N144D	6	medium yellow green	154B
3	medium green	128A	6	medium yellow green	154C

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
7	light grey green	188D	12	dark blue green	126A
7	light grey green	190D	12	dark blue green	126B
7	light grey green	192A	12	dark blue green	126C
7	light grey green	192B	12	dark blue green	127A
7	light grey green	192C	12	dark blue green	127B
7	light grey green	192D	12	dark blue green	127C
7	light grey green	193C	12	dark blue green	133B
7	light grey green	193D	13	light brown green	147D
7	light grey green	196D	13	light brown green	148D
8	medium grey green	188A	13	light brown green	193A
8	medium grey green	188B	13	light brown green	193B
8	medium grey green	188C	13	light brown green	194C
8	medium grey green	189C	14	medium brown green	136C
8	medium grey green	190A	14	medium brown green	137C
8	medium grey green	190B	14	medium brown green	137D
8	medium grey green	190C	14	medium brown green	138A
8	medium grey green	191C	14	medium brown green	138B
8	medium grey green	191D	14	medium brown green	139B
8	medium grey green	194D	14	medium brown green	139C
8	medium grey green	195A	14	medium brown green	146C
8	medium grey green	195B	14	medium brown green	146D
8	medium grey green	195C	14	medium brown green	147B
8	medium grey green	195D	14	medium brown green	147C
8	medium grey green	196A	14	medium brown green	148B
8	medium grey green	196B	14	medium brown green	148C
8	medium grey green	196C	14	medium brown green	191A
9	dark grey green	189B	14	medium brown green	191B
9	dark grey green	N189A	14	medium brown green	194A
9	dark grey green	N189B	14	medium brown green	194B
9	dark grey green	N189C	14	medium brown green	N138D
10	light blue green	123A	14	medium brown green	N148A
10	light blue green	123B	14	medium brown green	N148B
10	light blue green	123C	14	medium brown green	N148C
10	light blue green	123D	14	medium brown green	N148D
10	light blue green	124C	15	dark brown green	137B
10	light blue green	124D	15	dark brown green	146A
10	light blue green	125D	15	dark brown green	146B
10	light blue green	128D	15	dark brown green	147A
10	light blue green	129D	15	dark brown green	148A
10	light blue green	130C	15	dark brown green	189A
10	light blue green	130D	15	dark brown green	N138B
11	medium blue green	124B	15	dark brown green	N138C
11	medium blue green	125B	15	dark brown green	NN137A
11	medium blue green	125C	15	dark brown green	NN137D
11	medium blue green	126D	16	light yellow	1D
11	medium blue green	127D	16	light yellow	2D
11	medium blue green	128B	16	light yellow	3D
11	medium blue green	128C	16	light yellow	4C
11	medium blue green	129B	16	light yellow	4D
11	medium blue green	129C	16	light yellow	5D
11	medium blue green	133C	16	light yellow	6D
11	medium blue green	133D	16	light yellow	8C
12	dark blue green	124A	16	light yellow	8D
12	dark blue green	125A	16	light yellow	9D

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
16	light yellow	10B	19	light yellow orange	158C
16	light yellow	10C	19	light yellow orange	158D
16	light yellow	10D	19	light yellow orange	159A
16	light yellow	11B	19	light yellow orange	159B
16	light yellow	11C	19	light yellow orange	159C
16	light yellow	12C	19	light yellow orange	159D
16	light yellow	12D	20	medium yellow orange	11A
16	light yellow	13D	20	medium yellow orange	13B
16	light yellow	14D	20	medium yellow orange	13C
16	light yellow	15D	20	medium yellow orange	14C
16	light yellow	16D	20	medium yellow orange	15B
16	light yellow	150D	20	medium yellow orange	15C
17	medium yellow	2A	20	medium yellow orange	16A
17	medium yellow	2B	20	medium yellow orange	16B
17	medium yellow	3A	20	medium yellow orange	16C
17	medium yellow	3B	20	medium yellow orange	17A
17	medium yellow	3C	20	medium yellow orange	17B
17	medium yellow	4A	20	medium yellow orange	17C
17	medium yellow	4B	20	medium yellow orange	17D
17	medium yellow	5A	20	medium yellow orange	18A
17	medium yellow	5B	20	medium yellow orange	19A
17	medium yellow	5C	20	medium yellow orange	20A
17	medium yellow	6A	20	medium yellow orange	20B
17	medium yellow	6B	20	medium yellow orange	21A
17	medium yellow	6C	20	medium yellow orange	21B
17	medium yellow	7A	20	medium yellow orange	21C
17	medium yellow	7B	20	medium yellow orange	21D
17	medium yellow	7C	20	medium yellow orange	22B
17	medium yellow	7D	20	medium yellow orange	22C
17	medium yellow	8A	20	medium yellow orange	23A
17	medium yellow	8B	20	medium yellow orange	23B
17	medium yellow	9A	20	medium yellow orange	23C
17	medium yellow	9B	20	medium yellow orange	N25D
17	medium yellow	9C	21	dark yellow orange	22A
17	medium yellow	10A	21	dark yellow orange	N163C
17	medium yellow	12A	21	dark yellow orange	N163D
17	medium yellow	12B	22	light orange	24B
18	dark yellow	13A	22	light orange	24C
18	dark yellow	14A	22	light orange	24D
18	dark yellow	14B	22	light orange	25C
18	dark yellow	15A	22	light orange	25D
19	light yellow orange	11D	22	light orange	26C
19	light yellow orange	18B	22	light orange	26D
19	light yellow orange	18C	22	light orange	28C
19	light yellow orange	18D	22	light orange	28D
19	light yellow orange	19B	22	light orange	29B
19	light yellow orange	19C	23	medium orange	24A
19	light yellow orange	19D	23	medium orange	25A
19	light yellow orange	20C	23	medium orange	25B
19	light yellow orange	20D	23	medium orange	26A
19	light yellow orange	22D	23	medium orange	26B
19	light yellow orange	23D	23	medium orange	29A
19	light yellow orange	158A	23	medium orange	30D
19	light yellow orange	158B	23	medium orange	32C

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
23	medium orange	33C	28	red pink	52A
23	medium orange	N25C	28	red pink	52B
24	dark orange	28A	28	red pink	53C
24	dark orange	28B	28	red pink	53D
24	dark orange	30C	28	red pink	N34C
24	dark orange	31B	28	red pink	N45D
24	dark orange	N25A	29	pink	37B
24	dark orange	N25B	29	pink	37C
24	dark orange	N30D	29	pink	38A
25	light orange pink	27A	29	pink	39B
25	light orange pink	27B	29	pink	41D
25	light orange pink	27C	29	pink	43D
25	light orange pink	27D	29	pink	44D
25	light orange pink	29C	29	pink	48C
25	light orange pink	29D	29	pink	48D
26	medium orange pink	31C	29	pink	49A
26	medium orange pink	31D	29	pink	50C
26	medium orange pink	32D	29	pink	51D
26	medium orange pink	33D	29	pink	52C
26	medium orange pink	35C	29	pink	52D
26	medium orange pink	37A	30	light blue pink	54D
26	medium orange pink	170D	30	light blue pink	55C
26	medium orange pink	173D	30	light blue pink	55D
26	medium orange pink	179C	30	light blue pink	56A
26	medium orange pink	179D	30	light blue pink	56B
26	medium orange pink	N170C	30	light blue pink	56C
26	medium orange pink	N170D	30	light blue pink	56D
27	light red pink	35D	30	light blue pink	62C
27	light red pink	36A	30	light blue pink	62D
27	light red pink	36B	30	light blue pink	63D
27	light red pink	36C	30	light blue pink	65B
27	light red pink	36D	30	light blue pink	65C
27	light red pink	37D	30	light blue pink	65D
27	light red pink	38B	30	light blue pink	68D
27	light red pink	38C	30	light blue pink	69A
27	light red pink	38D	30	light blue pink	69B
27	light red pink	39C	30	light blue pink	69C
27	light red pink	39D	30	light blue pink	69D
27	light red pink	49B	30	light blue pink	73D
27	light red pink	49C	30	light blue pink	75D
27	light red pink	49D	30	light blue pink	76D
27	light red pink	50D	31	medium blue pink	54C
28	red pink	39A	31	medium blue pink	55B
28	red pink	43C	31	medium blue pink	58D
28	red pink	45D	31	medium blue pink	61D
28	red pink	46D	31	medium blue pink	62A
28	red pink	47C	31	medium blue pink	62B
28	red pink	47D	31	medium blue pink	63C
28	red pink	48A	31	medium blue pink	64D
28	red pink	48B	31	medium blue pink	65A
28	red pink	50B	31	medium blue pink	67D
28	red pink	51A	31	medium blue pink	68B
28	red pink	51B	31	medium blue pink	68C
28	red pink	51C	31	medium blue pink	70D

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
31	medium blue pink	73B	35	medium red	50A
31	medium blue pink	73C	35	medium red	N34B
31	medium blue pink	186D	36	dark red	42A
31	medium blue pink	N57D	36	dark red	45A
31	medium blue pink	N66D	36	dark red	45B
32	dark blue pink	63B	36	dark red	46B
32	dark blue pink	64C	36	dark red	47A
32	dark blue pink	67B	36	dark red	53B
32	dark blue pink	67C	36	dark red	N34A
32	dark blue pink	68A	36	dark red	N45A
32	dark blue pink	70C	36	dark red	N45B
32	dark blue pink	72C	36	dark red	N45C
32	dark blue pink	72D	37	medium purple red	54A
32	dark blue pink	73A	37	medium purple red	54B
32	dark blue pink	186C	37	medium purple red	55A
32	dark blue pink	N66C	37	medium purple red	58B
32	dark blue pink	N74C	37	medium purple red	58C
32	dark blue pink	N74D	37	medium purple red	59D
32	dark blue pink	NN74D	37	medium purple red	60D
33	orange red	30A	37	medium purple red	61C
33	orange red	30B	37	medium purple red	63A
33	orange red	31A	37	medium purple red	N57A
33	orange red	32A	37	medium purple red	N57B
33	orange red	32B	37	medium purple red	N57C
33	orange red	33B	37	medium purple red	N66A
33	orange red	34B	37	medium purple red	N66B
33	orange red	34C	38	dark purple red	46A
33	orange red	35A	38	dark purple red	53A
33	orange red	35B	38	dark purple red	59A
33	orange red	40C	38	dark purple red	59B
33	orange red	40D	38	dark purple red	60A
33	orange red	41B	38	dark purple red	60B
33	orange red	41C	38	dark purple red	185A
33	orange red	42D	38	dark purple red	187B
33	orange red	169A	38	dark purple red	187C
33	orange red	N30B	38	dark purple red	187D
33	orange red	N30C	38	dark purple red	N186D
33	orange red	N34D	39	brown red	178B
34	light red	33A	39	brown red	178C
34	light red	40A	39	brown red	178D
34	light red	40B	39	brown red	179A
34	light red	41A	39	brown red	179B
34	light red	44C	39	brown red	180A
34	light red	43B	39	brown red	180B
34	light red	N30A	39	brown red	180C
35	medium red	34A	39	brown red	180D
35	medium red	42B	39	brown red	181B
35	medium red	42C	39	brown red	181C
35	medium red	43A	39	brown red	181D
35	medium red	44A	39	brown red	182B
35	medium red	44B	39	brown red	182C
35	medium red	45C	39	brown red	182D
35	medium red	46C	40	medium brown purple	181A
35	medium red	47B	40	medium brown purple	182A

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
40	medium brown purple	183D	44	light violet	N75A
40	medium brown purple	184B	44	light violet	N75B
40	medium brown purple	184C	44	light violet	N75C
40	medium brown purple	184D	44	light violet	N75D
40	medium brown purple	185B	44	light violet	N80C
40	medium brown purple	185C	44	light violet	N80D
40	medium brown purple	185D	44	light violet	N81D
40	medium brown purple	186A	45	medium violet	72B
40	medium brown purple	186B	45	medium violet	77B
41	dark brown purple	178A	45	medium violet	84A
41	dark brown purple	183A	45	medium violet	N77D
41	dark brown purple	183B	45	medium violet	N78A
41	dark brown purple	183C	45	medium violet	N78B
41	dark brown purple	184A	45	medium violet	N78C
41	dark brown purple	N186C	45	medium violet	N78D
42	medium purple	61B	45	medium violet	N79D
42	medium purple	64B	45	medium violet	N80A
42	medium purple	67A	45	medium violet	N80B
42	medium purple	70B	45	medium violet	N81A
42	medium purple	71B	45	medium violet	N81B
42	medium purple	71C	45	medium violet	N81C
42	medium purple	71D	45	medium violet	N82A
42	medium purple	N74A	46	dark violet	77A
42	medium purple	N74B	46	dark violet	79A
42	medium purple	NN74A	46	dark violet	79B
42	medium purple	NN74B	46	dark violet	79C
42	medium purple	NN74C	46	dark violet	79D
42	medium purple	NN78A	46	dark violet	83A
42	medium purple	NN78B	46	dark violet	83B
42	medium purple	NN78C	46	dark violet	86A
42	medium purple	NN78D	46	dark violet	N77C
43	dark purple	58A	46	dark violet	N92A
43	dark purple	59C	46	dark violet	N92D
43	dark purple	60C	47	light blue violet	85B
43	dark purple	61A	47	light blue violet	85C
43	dark purple	64A	47	light blue violet	85D
43	dark purple	70A	47	light blue violet	91C
43	dark purple	71A	47	light blue violet	91D
43	dark purple	72A	47	light blue violet	92D
43	dark purple	N77B	48	medium blue violet	83D
43	dark purple	N79A	48	medium blue violet	85A
43	dark purple	N79B	48	medium blue violet	86C
43	dark purple	N79C	48	medium blue violet	86D
44	light violet	75A	48	medium blue violet	90C
44	light violet	75B	48	medium blue violet	90D
44	light violet	75C	48	medium blue violet	N82B
44	light violet	76A	48	medium blue violet	N82C
44	light violet	76B	48	medium blue violet	N82D
44	light violet	76C	48	medium blue violet	N87A
44	light violet	77C	48	medium blue violet	N87B
44	light violet	77D	48	medium blue violet	N87C
44	light violet	84B	48	medium blue violet	N87D
44	light violet	84C	48	medium blue violet	N88C
44	light violet	84D	48	medium blue violet	N88D

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
49	dark blue violet	83C	54	medium blue	100B
49	dark blue violet	86B	54	medium blue	100C
49	dark blue violet	90A	54	medium blue	101A
49	dark blue violet	90B	54	medium blue	101B
49	dark blue violet	93B	54	medium blue	101C
49	dark blue violet	93C	54	medium blue	102C
49	dark blue violet	N88A	54	medium blue	102D
49	dark blue violet	N88B	54	medium blue	103D
49	dark blue violet	N89C	54	medium blue	104A
49	dark blue violet	N89D	54	medium blue	104B
50	light violet blue	91A	54	medium blue	104C
50	light violet blue	91B	54	medium blue	105B
50	light violet blue	92B	54	medium blue	105C
50	light violet blue	92C	54	medium blue	105D
50	light violet blue	93D	54	medium blue	106A
50	light violet blue	94D	54	medium blue	107A
50	light violet blue	97B	54	medium blue	107B
51	medium violet blue	92A	54	medium blue	110A
51	medium violet blue	94B	54	medium blue	110B
51	medium violet blue	94C	54	medium blue	N109A
51	medium violet blue	95C	54	medium blue	N109B
51	medium violet blue	96B	54	medium blue	N109C
51	medium violet blue	96C	55	dark blue	99A
51	medium violet blue	96D	55	dark blue	99B
51	medium violet blue	97A	55	dark blue	102A
51	medium violet blue	N95C	55	dark blue	102B
51	medium violet blue	N95D	55	dark blue	103A
52	dark violet blue	93A	55	dark blue	103B
52	dark violet blue	94A	55	dark blue	103C
52	dark violet blue	95A	55	dark blue	105A
52	dark violet blue	95B	56	light green blue	106D
52	dark violet blue	96A	56	light green blue	108A
52	dark violet blue	N89A	56	light green blue	108B
52	dark violet blue	N89B	56	light green blue	108C
52	dark violet blue	N92B	56	light green blue	108D
52	dark violet blue	N92C	56	light green blue	112A
52	dark violet blue	N95A	56	light green blue	112B
52	dark violet blue	N95B	56	light green blue	112C
53	light blue	95D	56	light green blue	112D
53	light blue	100D	56	light green blue	113D
53	light blue	101D	56	light green blue	117C
53	light blue	104D	56	light green blue	117D
53	light blue	106B	56	light green blue	118D
53	light blue	106C	56	light green blue	120D
53	light blue	107C	56	light green blue	121D
53	light blue	107D	56	light green blue	122D
53	light blue	N109D	57	medium green blue	110C
54	medium blue	98A	57	medium green blue	110D
54	medium blue	98B	57	medium green blue	111A
54	medium blue	98C	57	medium green blue	111B
54	medium blue	98D	57	medium green blue	111C
54	medium blue	99C	57	medium green blue	111D
54	medium blue	99D	57	medium green blue	113B
54	medium blue	100A	57	medium green blue	113C

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
57	medium green blue	115A	60	medium brown	174A
57	medium green blue	115B	60	medium brown	174B
57	medium green blue	115C	60	medium brown	174C
57	medium green blue	115D	60	medium brown	175A
57	medium green blue	116D	60	medium brown	175B
57	medium green blue	117A	60	medium brown	175C
57	medium green blue	117B	60	medium brown	175D
57	medium green blue	118A	60	medium brown	176A
57	medium green blue	118B	60	medium brown	176B
57	medium green blue	118C	60	medium brown	176C
57	medium green blue	119A	60	medium brown	176D
57	medium green blue	119B	60	medium brown	177B
57	medium green blue	119C	60	medium brown	177C
57	medium green blue	119D	60	medium brown	177D
57	medium green blue	120A	60	medium brown	N167B
57	medium green blue	120B	60	medium brown	N170A
57	medium green blue	120C	61	dark brown	166A
57	medium green blue	121A	61	dark brown	177A
57	medium green blue	121B	61	dark brown	187A
57	medium green blue	121C	61	dark brown	200A
57	medium green blue	122A	61	dark brown	200B
57	medium green blue	122B	61	dark brown	200C
57	medium green blue	122C	61	dark brown	200D
58	dark green blue	113A	61	dark brown	N77A
58	dark green blue	114A	61	dark brown	N199B
58	dark green blue	114B	61	dark brown	N200A
58	dark green blue	114C	62	light yellow brown	161A
58	dark green blue	114D	62	light yellow brown	161B
58	dark green blue	116A	62	light yellow brown	161C
58	dark green blue	116B	62	light yellow brown	161D
58	dark green blue	116C	62	light yellow brown	162A
59	light brown	164A	62	light yellow brown	162B
59	light brown	164D	62	light yellow brown	162C
59	light brown	165B	62	light yellow brown	162D
59	light brown	165D	62	light yellow brown	163C
59	light brown	166D	62	light yellow brown	163D
59	light brown	167A	63	medium yellow brown	163A
59	light brown	167B	63	medium yellow brown	163B
59	light brown	167C	63	medium yellow brown	164B
59	light brown	167D	63	medium yellow brown	164C
59	light brown	168D	63	medium yellow brown	165C
59	light brown	174D	64	orange brown	34D
59	light brown	N167A	64	orange brown	168A
59	light brown	N167C	64	orange brown	168B
59	light brown	N167D	64	orange brown	168C
59	light brown	N170B	64	orange brown	169B
59	light brown	N172D	64	orange brown	169C
60	medium brown	165A	64	orange brown	169D
60	medium brown	166B	64	orange brown	170A
60	medium brown	166C	64	orange brown	170B
60	medium brown	172A	64	orange brown	170C
60	medium brown	172B	64	orange brown	171A
60	medium brown	173A	64	orange brown	171B
60	medium brown	173C	64	orange brown	171C

New Group No	UPOV Color Group	RHS No	New Group No	UPOV Color Group	RHS No
64	orange brown	171D	69	light grey	202D
64	orange brown	172C	69	light grey	N155A
64	orange brown	172D	70	medium grey	156A
64	orange brown	173B	70	medium grey	197D
64	orange brown	N163A	70	medium grey	198A
64	orange brown	N163B	70	medium grey	198B
64	orange brown	N172A	70	medium grey	198C
64	orange brown	N172B	70	medium grey	198D
64	orange brown	N172C	70	medium grey	N189D
65	grey brown	199A	70	medium grey	N187D
65	grey brown	199B	70	medium grey	N200D
65	grey brown	199C	71	dark grey	197A
65	grey brown	199D	71	dark grey	197B
65	grey brown	N199A	71	dark grey	197C
65	grey brown	N199C	71	dark grey	201A
65	grey brown	N199D	71	dark grey	201B
66	light green brown	160A	71	dark grey	201C
66	light green brown	160B	71	dark grey	201D
66	light green brown	160C	71	dark grey	202B
66	light green brown	160D	71	dark grey	202C
67	medium green brown	153B	71	dark grey	N187B
67	medium green brown	153C	71	dark grey	N187C
67	medium green brown	153D	71	dark grey	N200B
68	dark green brown	152A	71	dark grey	N200C
68	dark green brown	152B	72	black	202A
68	dark green brown	152C	72	black	203A
68	dark green brown	152D	72	black	203B
68	dark green brown	153A	72	black	203C
69	light grey	97C	72	black	203D
69	light grey	97D	72	black	N186A
69	light grey	156B	72	black	N186B
69	light grey	156C	72	black	N187A
69	light grey	156D			
69	light grey	189D			

[End of Annex and of document]