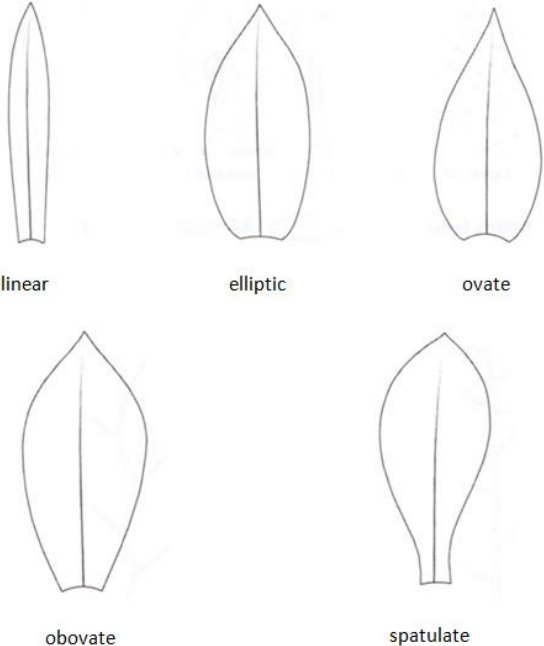The following are the proposed changes (in red) to the *Dendrobium* TG :

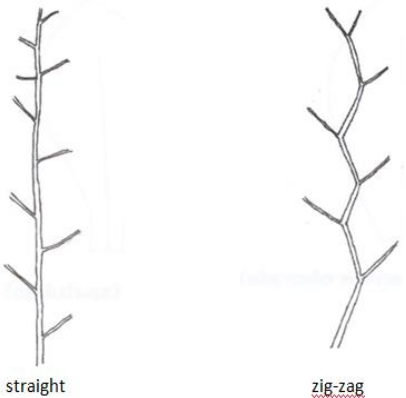| Item	Proposed Changes	Comments
Chapt 2.2	The material is to be supplied in the form of mature plants that have not flowered previously with an emerging inflorescence.	
Chapt 2.3	The minimum quantity of plant material, to be supplied by the applicant, should be: 10 plants.	
Chapt 3.1	The minimum duration of tests should normally be a single flowering period.	
Chapt 3.3.2	The tests should be conducted in a greenhouse with the following conditions for the Northern Hemisphere. To be deleted	
Chapt 5.3	The following have been agreed as useful grouping characteristics: (a)　　Plant: height (characteristic 1) (b)　　Inflorescence : length (char. 20) (c)　　Inflorescence : attitude (char. 22) (d)　　Flower : general appearance of petals and sepals (char.25) (e)　　Flower: length (char. 27) (f)　　Flower: width (char. 28) (g)　　Petal : ground color(char.62) (h)　　Lip : ground color(char.82)	to be changed
Chapt 7 Char. 1	Plant: height very short / short / medium / tall / very tall Add **(a)** Add **(+)** Ad. 1: Plant: height Add "Plant height is to be measured by the natural curvature."	

	Plant height	
Char. 2	Pseudobulb: attitude Add **(+)** <u>Ad. 2: Pseudobulb: attitude</u> erect semi-erect horizontal semi-drooping drooping	

Char. 3	Pseudobulb: length Add **(+)** Ad. 3: Pseudobulb length Add "The length of the pseudobulb is to be measured on the longest pseudobulb using the flexible tape by the actual length."	
Char. 5	Pseudobulb: shape in longitudinal section linear/lancelote/ovate/elliptic/obovate Add **(+)** Ad. 5: Pseudobulb: shape in longitudinal section linear lanceolate ovate obovate elliptic	To be changed((diagram also)
Char. 7	Plant: age of flowering pseudobulb (principally) To be deleted	
Char. 8	Leaf: length Add **(+)** Ad. 8: Leaf: length The length of the leaf is to be measured on the longest leaf using the flexible	

	tape by the actual length.	
Char. 9	Leaf: width Add **(+)** <u>Ad. 9: Leaf: width</u> The width of the leaf is to be measured on the longest leaf using the flexible tape by the actual width.	
Char. 10	Leaf: shape ovate/elliptic/linear/obovate/spatulate <u>Ad. 10: Leaf: shape</u> linear elliptic ovate obovate spatulate	to be changed (diagram also) check TGP 14
Char. 11	Leaf: main green color To be deleted	
char.12	Leaf: variegation to be changed	to be deleted 'presence of'

char. 13	Leaf : type of variegation brindled / spotted / striped / centered / marginate Replace QL with PQ	to be changed(edged to marginate)
Char. 14	Leaf: colour of variegation white / yellow / yellowish green / white and yellow / white and yellowish green / yellow and yellowish green Replace QL with PQ	to be changed
Char. 16	Leaf: colour of pubescence To be deleted	
New	Inflorescence: flowering type cluster / solitary / inflorescence Add (+) Add (c) Add PQ Ad. : Inflorescence: flowering type solitary cluster inflorescence	to be deleted
Char. 17	Inflorescence: position of adherence to pseudobulb lateral / lateral and terminal / terminal Add (+) Replace QL with PQ Ad. 17: Inflorescence: position of adherence to pseudobulb	to be added or changed more clear diagram for the" lateral and terminal"

	  lateral lateral and terminal terminal	
Char. 18	Inflorescence: position of flowers To be deleted	
New	Inflorescence: arrangement of flowers absent / alternate / spiral Add **(+)** Add **(c)** Add **QL** Ad. : Inflorescence: arrangement of flowers alternate spiral	to be deleted

New	Inflorescence: axis type straight / zig-zag Add **(+)** Add **(c)** Add **QL** Ad. : Inflorescence: axis type straight zig-zag	to be deleted 'absent'
Char. 19	Inflorescence: number of flowers Add **(+)** Ad. 19: Inflorescence: number of flowers Add "Number of flowers should include flower buds."	
Char. 20	Inflorescence: length Add **(c)** Ad. 20: Inflorescence: length Add "Length of the inflorescence is to be measured with a flexible tape following the actual length."	check all orchid TG
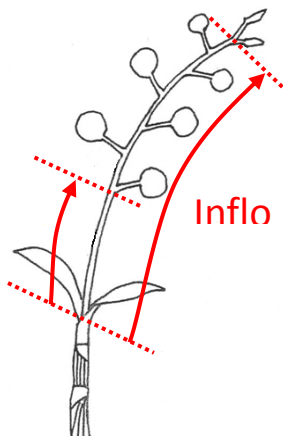
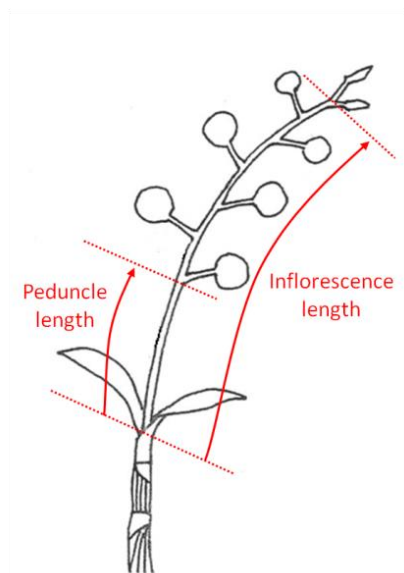|		
	Inflo	
New	Inflorescence: length of peduncle short / medium / long Add **(c)** Add **(+)** Add **QN** Ad. _:_ Inflorescence: length of peduncle Length of the peduncle is to be measured with a flexible tape following the actual length. 	Add *
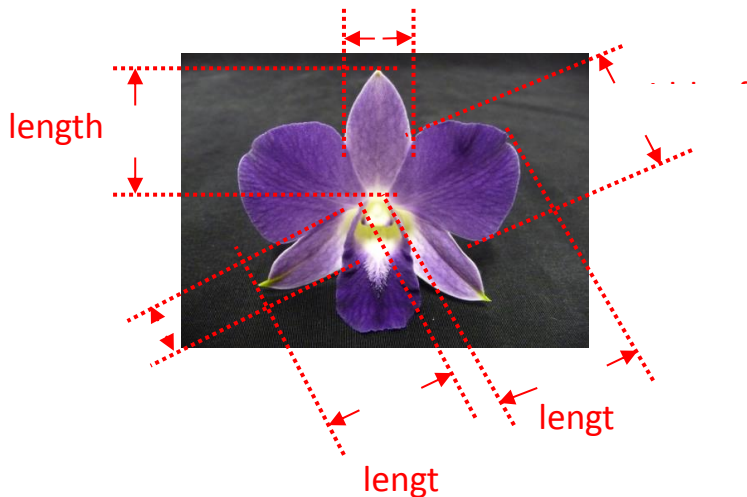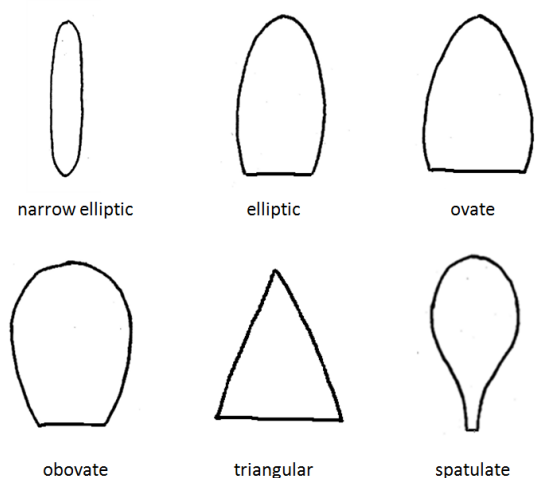
Char. 21	Inflorescence: thickness of peduncle Add **(c)**	
Char. 22	Inflorescence: attitude semi-erect / horizontal / pendulous Add **(+)** Add **(c)** Ad. 22: Inflorescence: attitude semi-erect horizontal pendulous	to be replaced diagrams (drawing for horizontal or all)
New	Inflorescence : density of flower sparse(3)/medium(5)/dense(7) Add **(+)** Add **(c)** Add **QN** Ad. : Inflorescence : density of flower	to be changed and the order of diagrams add *

close   medium   distant

New	Inflorescence: number of inflorescence per pseudobulb few / medium / many Add **(c)** Add **QN**	to be deleted
Char. 23	Flower: length of pedicel Add **(c)**	
New	Flower: main colour of pedicel white / yellow / green / pink / red / purple Add **(c)** Add **PQ**	Add *
New	Flower: secondary colour of pedicel absent / present Add **(c)** Add **QL**	Add *
Char. 24	Pedicellate-ovary: thickness To be deleted	
Char. 25	Flower: general appearance of petals and sepals all incurving / some incurving and some flat / all flat / some flat and some reflexing / all reflexing / some incurving and some reflexing	
Char. 26	Flower: mentum	to be changed
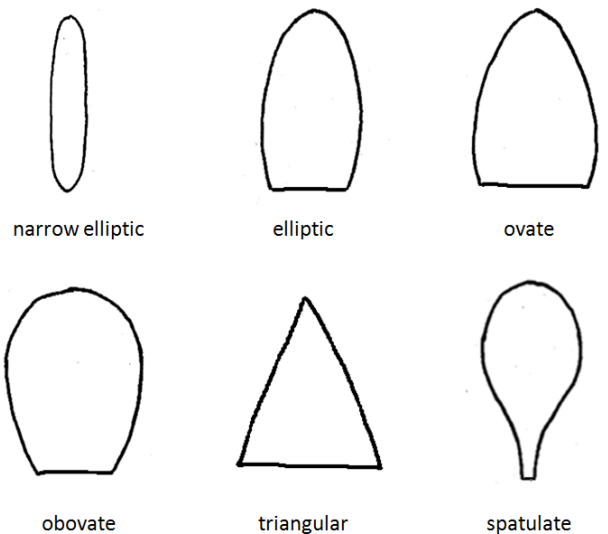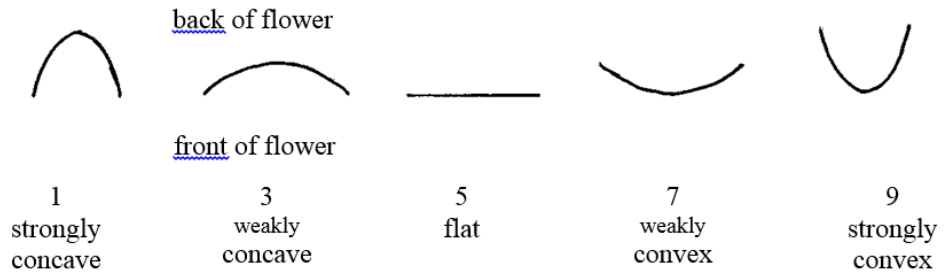
	absent or very short / short / medium / long **QN** replace **(d)** with **(c)** Add **(+)** Ad. 26: Flower: mentum absent present	
New	Flower: separation of sepals and petals separated / slightly overlapping / overlapping Add **(+)** Add **PQ** Add **(c)** Ad. ___: Flower: separation of sepals and petals separated slightly overlapping overlapping	Add *
New	Flower: form type antelope type / intermediate type / semi-phalaenopsis type / phalaenopsis type / nobile type / others	to be deleted

	Add **PQ** Add **(c)** to include in TQ	
Char. 27	Flower: length replace **(d)** with **(c)**	
Char. 28	Flower: width replace **(d)** with **(c)**	
Char. 29	Flower: fragrance replace **(c)** with **(d)**	
Char. 30	Dorsal sepal: curvature of longitudinal axis strongly incurving / weakly incurving / straight / weakly recurving / strongly recurving Add **(+)** Ad. 30: Dorsal sepal: curvature of longitudinal axis Ad. 37: Lateral sepal: curvature of longitudinal axis Ad. 53: Petal: curvature of longitudinal axis 	
Char. 31 & 32	Dorsal sepal: length Dorsal sepal: width Add **(+)** replace **(d)** with **(c)** Ad. 31: Dorsal sepal: length Ad. 32: Dorsal sepal: width Ad. 38: Lateral sepal: length Ad. 39: Lateral sepal: width Ad. 54: Petal: length	

	<u>Ad. 55: Petal: width</u> 	
Char. 33	Dorsal sepal: shape tiragular(1)/ovate(2)/circular(3)/elliptic(4)/oblong(5)/linear(6)/obovate(7)/oblancelote(8)/spatulate(9)/obtiangular(10) replace **(d)** with **(c)** <u>Ad. 33: Dorsal sepal: shape</u> <u>Ad. 40: Lateral sepal: shape</u> <u>Ad. 56: Petal: shape</u>	to be changed

	narrow elliptic · elliptic · ovate · obovate · triangular · spatulate	
Char. 34	<u style="color:red">Varieties excluding twisted type</u>: Dorsal sepal: cross section strongly concave / weakly concave / flat / weakly convex / strongly convex back of flower front of flower 1 strongly concave · 3 weakly concave · 5 flat · 7 weakly convex · 9 strongly convex	
Char. 35	Dorsal sepal: twisting absent/weak/medium/strong **QN**	to be kept the original TG
Char. 36	Dorsal sepal: undulation of margin absent/weak/medium/strong **QN**	to be kept the original TG
Char. 37	Lateral sepal: curvature of longitudinal axis strongly incurving / weakly incurving / straight / weakly recurving / strongly recurving Add **(+)**	

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<u>Ad. 30: Dorsal sepal: curvature of longitudinal axis</u>
<u>Ad. 37: Lateral sepal: curvature of longitudinal axis</u>
<u>Ad. 53: Petal: curvature of longitudinal axis</u>

front of flower →				← back of flower
strongly incurving	weakly incurving	straight	weakly recurving	strongly recurving

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Char. 38 & 39

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<td>

Lateral sepal: length
Lateral sepal: width

Add **(+)**
replace **(d)** with **(c)**

<u>Ad. 31: Dorsal sepal: length</u>
<u>Ad. 32: Dorsal sepal: width</u>
<u>Ad. 38: Lateral sepal: length</u>
<u>Ad. 39: Lateral sepal: width</u>
<u>Ad. 54: Petal: length</u>
<u>Ad. 55: Petal: width</u>

length of

lengt

lengt

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Char. 40	Lateral sepal: shape tiragular(1)/ovate(2)/circular(3)/elliptic(4)/oblong(5)/linear(6)/obovate(7)/oblancelote(8)/spatulate(9)/obtiangular(10) narrow elliptic elliptic ovate obovate triangular spatulate	to be changed
Char. 41	<u>Varieties excluding twisted type</u>: Lateral sepal: cross section strongly concave / weakly concave / flat / weakly convex / strongly convex back of flower front of flower 1 strongly concave 3 weakly concave 5 flat 7 weakly convex 9 strongly convex	
Char. 42	Lateral sepal: twisting absent/weak/medium/strong **QN**	to be kept the original TG

Char. 43	Lateral sepal: undulation of margin absent/weak/medium/strong **QN**	to be kept the original TG
New	Sepal: pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** Ad. : Sepal: uniform pattern Ad. 61 : Petal: uniform pattern uniform	to be changed Sepal : pattern Add * for patten
Char. 45	Sepal: shading pattern absent / present Add **(+)** Ad. 45: Sepal: shading pattern Ad. : Petal: shading pattern	

	 shading	
Char. 44	Sepal: marginal zone absent or very narrow / narrow / medium / broad Add **(+)** Ad. 44: Sepal: marginal zone Ad. 60 : Petal: marginal zone 	to be changed to be added diagram(or picture) from Mr. Numaguchi to be moved to after char. 45(shading)
New	Sepal: veined pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** Ad. : Sepal: veined pattern	
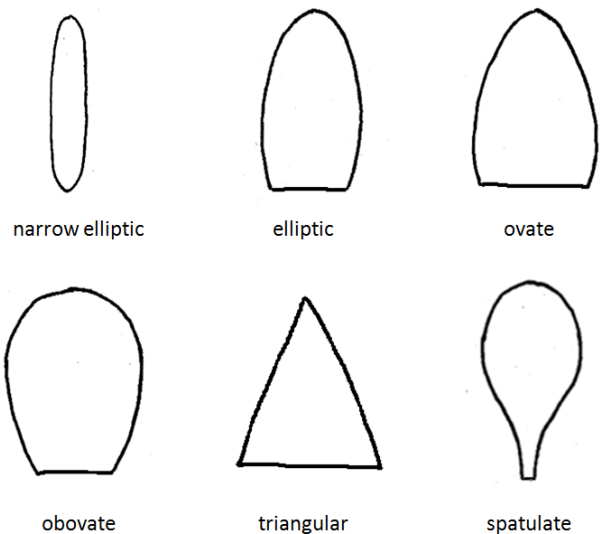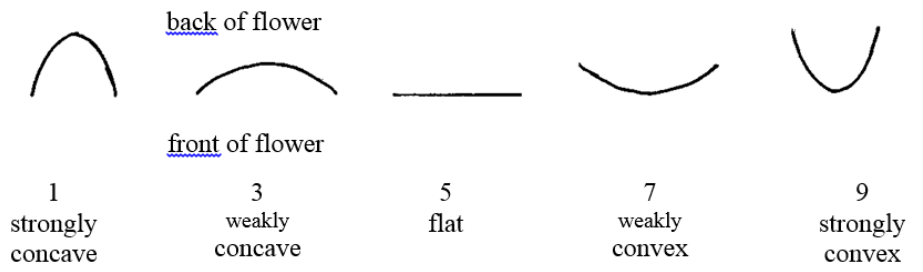
	Ad. : Petal: veined pattern veined	
New	Sepal: striped pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** Ad. : Sepal: stripped pattern Ad. : Petal: stripped pattern striped	
New	Sepal: netted pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** Ad. : Sepal: netted pattern	

	<u>Ad. : Petal: netted pattern</u> netted	
New	Sepal: spotted pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** <u>Ad. : Sepal: spotted pattern</u> <u>Ad. : Petal: spotted pattern</u> spotted	
New	Sepal: flushed pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** <u>Ad. : Sepal: flushed pattern</u> <u>Ad. : Petal: flushed pattern</u>	

	 flushed	
New	Sepal: splashed pattern absent / present Add **(+)** Add **QL** Add **(c)** & **(e)** Ad. : Sepal: splashed pattern Ad. : Petal: splashed pattern splashed	
char. 46	Sepal : ground color to be changed	
Char.47	Varieties with shaded sepals only: Sepal: extent of shading To be deleted	
Char. 48	Varieties with shading sepals only: Sepal: dominant colour of shading	to be kept

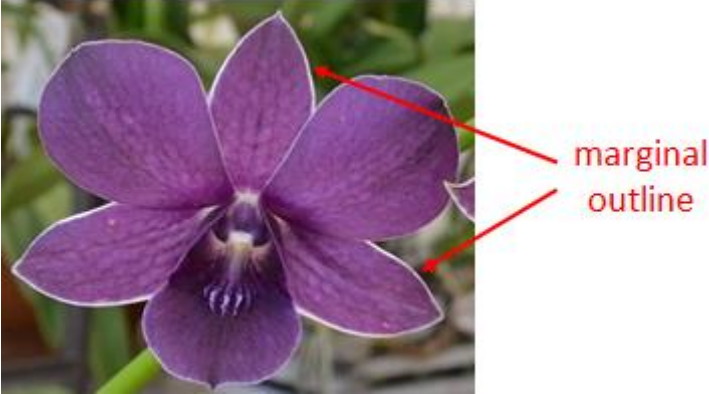|		RHS Colour chart
new(after char. 48)	Varieties with marginal zone sepals only : Sepal : color of marginal zone RHS Colour chart to be added	
Char.49	Varieties with edged sepals only: Sepal: colour of edging To be deleted	
new	Varieties with veined sepals only: Sepal: colour of vein RHS Colour chart	
Char. 50	Varieties with striped sepals only: Sepal: colour of stripes RHS Colour chart	to be kept the original TG
Char. 51	Varieties with netted sepals only: Sepal: colour of netting RHS Colour chart	to be kept the original TG
Char. 52	Varieties with spotted sepals only: Sepal: colour of spots RHS Colour chart	to be kept the original TG
New	Varieties with flushed sepals only: Sepal: colour of flush RHS Colour chart Add **PQ** Add **(c)** & **(e)**	to be kept the original TG
New	Varieties with splashed sepals only: Sepal: colour of splash RHS Colour chart Add **PQ** Add **(c)** & **(e)**	to be kept the original TG
Char. 53	Petal: curvature of longitudinal axis strongly incurving / weakly incurving / straight / weakly recurving / strongly recurving Add **(+)** Ad. 30: Dorsal sepal: curvature of longitudinal axis	

	Ad. 37: Lateral sepal: curvature of longitudinal axis Ad. 53: Petal: curvature of longitudinal axis front of flower → strongly incurving / weakly incurving / straight / weakly recurving / strongly recurving ← back of flower	
Char. 54 & 55	Petal: length Petal: width Add **(+)** replace **(d)** with **(c)** Ad. 31: Dorsal sepal: length Ad. 32: Dorsal sepal: width Ad. 38: Lateral sepal: length Ad. 39: Lateral sepal: width Ad. 54: Petal: length Ad. 55: Petal: width length of lengt length	

Char. 56	Petal: shape tiragular(1)/ovate(2)/circular(3)/elliptic(4)/oblong(5)/linear(6)/obovate(7)/oblancelote(8)/spatulate(9)/obtiangular(10) narrow elliptic elliptic ovate obovate triangular spatulate	to be changed
Char. 57	Varieties excluding twisted type: Petal: cross section strongly concave / weakly concave / flat / weakly convex / strongly convex back of flower front of flower 1 strongly concave 3 weakly concave 5 flat 7 weakly convex 9 strongly convex	
Char. 58	Petal: twisting absent / weak / medium / strong	
Char. 59	Varieties excluding twisted type: Petal: undulation of margin absent / weak / medium / strong	
Char. 61	Petal:pattern absent / present	to be deleted 'uniform'

	Add **(+)** Ad. : Sepal: uniform pattern Ad. 61 : Petal: uniform pattern uniform	
New	Petal: shading pattern absent / present Add **QL** Add **(c)** & **(e)** Add **(+)** Ad. 45: Sepal: shading pattern Ad. : Petal: shading pattern shading	
char. 60	Petal: marginal zone	to be moved after 'shading pattern' to be changed diagrams(all marginal

	absent or very narrow / narrow / medium / broad Add **(+)** <u>Ad. 44: Sepal: marginal zone</u> <u>Ad. 60 : Petal: marginal zone</u> 	zone) from TGP 14
New	Petal: veined pattern absent / present Add **QL** Add **(c)** & **(e)** Add **(+)** <u>Ad. : Sepal: veined pattern</u> <u>Ad. : Petal: veined pattern</u> 	
New	Petal: striped pattern	

	absent / present Add **QL** Add **(c)** & **(e)** Add **(+)** Ad. : Sepal: stripped pattern Ad. : Petal: stripped pattern striped	
New	Petal: netted pattern absent / present Add **QL** Add **(c)** & **(e)** Add **(+)** Ad. : Sepal: netted pattern Ad. : Petal: netted pattern netted	
New	Petal: spotted pattern absent / present	

Ad. : Sepal: spotted pattern
Ad. : Petal: spotted pattern

spotted

New

Ad. : Sepal: flushed pattern
Ad. : Petal: flushed pattern

flushed

New

Petal: splashed pattern

<table>
<tr><td></td><td>absent / present

Add **QL**
Add **(c)** & **(e)**
Add **(+)**

Ad. : Sepal: splashed pattern
Ad. : Petal: splashed pattern

splashed</td><td></td></tr>
<tr><td>Char. 62.</td><td>Petal : ~~main~~ <mark>ground color</mark></td><td>to be changed</td></tr>
<tr><td>Char. 63</td><td>Varieties with shaded petals only: Petal: extent of shading
To be deleted</td><td></td></tr>
<tr><td>Char. 64</td><td>Varieties with shaded petals only: Petal: color of shading
RHS colour chart</td><td>to be changed</td></tr>
<tr><td>new</td><td>Varieties with margianted petals only: Petal: color of marginal zone
RHS colour chart</td><td></td></tr>
<tr><td>Char. 65</td><td>Varieties with edged petals only: Petal: color of edging
To be deleted</td><td></td></tr>
<tr><td>new</td><td>Varieties with veined petals only: Petal: colour of vein
 RHS Colour chart</td><td></td></tr>
<tr><td>Char. 66</td><td>Varieties with striped petals only: Petal: color of stripes
RHS colour chart</td><td>to be changed</td></tr>
<tr><td>Char. 67</td><td>Varieties with netted petals only: Petal: color of netting</td><td>to be changed</td></tr>
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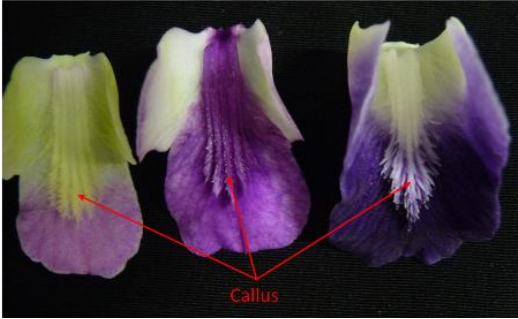
	RHS colour chart	
Char. 68	Varieties with spotted petals only: Petal: color of spots RHS colour chart	to be changed
New	Varieties with flushed petals only: Petal: color of flush RHS colour chart Add **PQ** Add **(c)** & **(e)**	to be changed
New	Varieties with splashed petals only: Petal: color of splash RHS colour chart Add **PQ** Add **(c)** & **(e)**	to be changed
New	Lip: presence of lip absent / present Add **QL** Add **(c)** Add **(+)** Ad. : Lip: presence of lip absent present	to be deleted
Char. 71	Lip: presence of lateral lobe Add **(+)** Ad. 71: Lip: presence of lateral lobe	Add *
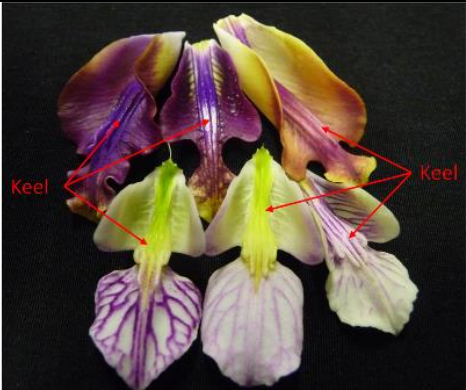
	absent present	
Char. 75	Varieties with lateral lobes only: Lip: shape of apical lobe elliptic / circular / rhombic / reinform	to be changed
Char. 76	Lip: type of curving To be deleted	
Char. 79	Lip: number of colours remove "(excluding eye and throat)"	to be moved to before char. 77
Char. 78	Varieties with eye only: Lip: shape of eye Ad. 78: Varieties with eye only: Lip: shape of eye 1 type I 2 type II 3 type III 4 type IV	

Char. 80	Lip: color pattern absent / present	to be changed
new	<u>Lip : shading pattern</u>	to be added
New	<u>Lip : vein pattern</u> absent / present Add **QL** Add **(c)** & **(e)**	to be added
New	Lip: striped pattern absent / present Add **QL** Add **(c)** & **(e)**	to be changed
New	Lip: netted pattern absent / present Add **QL** Add **(c)** & **(e)**	to be changed
New	Lip: spotted pattern absent / present Add **QL** Add **(c)** & **(e)**	to be changed
New	Lip: flushed pattern absent / present Add QL Add **(c)** & **(e)**	to be changed
New	Lip: splashed pattern absent / present Add QL Add **(c)** & **(e)**	to be changed
Char. 81	<u>Varieties with shaded lips only</u>: Lip: extent of shading	to be added example varieties from JP

Char. 82	Lip: ground color	to be changed Add *
Char. 84	<u>Varieties with shaded lips only</u>: Lip: color of shading RHS colour chart	to be changed
Char. 85	<u>Varieties with marginal zone lips only</u>: Lip: color of marginal zone RHS colour chart	to be changed
new	<u>Varieties with veined lips only</u>: Lip: color of vein RHS colour chart	to be added
Char. 86	<u>Varieties with striped lips only</u>: Lip: color of stripes RHS colour chart	to be changed
Char. 87	<u>Varieties with netted lips only</u>: Lip: color of netting RHS colour chart	to be changed
Char. 88	<u>Varieties with spotted lips only</u>: Lip: color of spots RHS colour chart	to be changed
insert char.83	Lip: color of middle part (if different from ground colour)	to be moved to before 89
Char. 91	Lip: twisting absent(1) / weak(3) / medium(5) / strong(7)	to be changed
Char. 92	Lip: undulation of margin absent(1) / weak(3) / medium(5) / strong(7)	to be changed
Char. 93	Lip: density of marginal fringing absent / sparse / medium / dense **QN** Add **(+)** <u>Ad. 93: Lip: fringing of margin</u>	to be changed JP help to supply pics

	absent present	
Char. 94	Lip: callus Add **(+)** <u>Ad. 94: Lip: callus</u> 	
New	Lip: keel absent / present Add **QL** Add **(c)** Add **(+)** <u>Ad. : Lip: keel</u>	move to after 94(after callus)

new	Lip : colour of callus RHS colour chart	to be added
new	Lip : colour of keel RHS colour chart	to be added
Char. 95	Lip: density of pubescence absent / sparse / medium / dense **QN** Add **(+)** <u>Ad. 95: Lip: pubescence</u> absent present	to be changed JP help to supply pics
Char. 97	Column: color of anther cap RHS color chart replace **(f)** with **(c)** & **(e)**	to be kept the original TG
Char. 98	Time of flowering	to be deleted

Chapt 8 Char. 8.1 (a)	Observations on the plant height and pseudobulb should be made on the longest/ tallest flowering pseudobulb.	
Char. 8.1 (c)	Observations on the inflorescence and the flower should be made at the time when more than 50% of the flowers on the inflorescence have opened. The observations on the flowers should be made on the most recently fully matured flower on the inflorescence before the color starts to fade, on the unextended organ. (Unextended organ refers to the natural spread without flattening or extending the floral parts).	
Char. 8.1 (d)	To be deleted	
Char. 8.1 (e)	Observation for flower fragrance should be done before noon. Change from (e) to (d)	
Char. 8.1 (f)	Observations on the color of the sepal, the petal and the lip should be made on the front side of the flower. Change from (f) to (e)	
Chapt 10 **Technical** **Questionnaire** 5.1	Plant: height very short / short / medium / tall / very tall	
5.2	Inflorescence : length short / medium / long	
5.3	Inflorescence : attitude semi-erect / horizontal / pendulous	
5.4	Flower : general appearance of petals and sepals all incurving / some incurving and some flat / all flat / some flat and some reflexing / all reflexing / some incurving and some reflexing	
5.5	Flower: length short / medium / long	
5.6	Flower: width	

	narrow / medium / broad	
5.7	Petal : ground colour RHS color chart	
5.8	Lip : ground colour RHS color chart	