



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
1	KHAVRONINA Irina / CIRISANO Dario	RUS	11	101.11	55.18	45.93	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	SyTwL4+SyTwM4		6.84	2.28	3	3	4	3	4	2	3	3	3		9.12
2	RoLi4		5.30	1.57	3	4	4	4	4	2	3	3	3		6.87
3	DiSt3		7.70	1.80	1	2	2	2	2	2	1	2	2		9.50
4	SILi4		5.30	1.18	2	3	3	3	2	2	3	2	3		6.48
5	CoSp4		6.00	1.69	3	3	3	3	3	2	3	3	3		7.69
6	OFStL3+OFStM3		6.10	1.77	2	3	3	2	3	2	2	3	2		7.87
7	ChSt1		1.10	2.25	2	2	3	3	2	2	3	4	4		3.35
8	ChLi1		1.10	3.20	4	4	4	4	4	3	3	4	4		4.30
			39.44												55.18

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	7.50	7.50	7.50	7.50	8.00	7.25	7.50	7.50	7.50	7.50
Transitions	1.20	7.00	7.50	7.75	7.50	7.25	7.00	7.50	6.50	7.50	7.32
Performance	1.20	7.75	8.00	7.75	8.00	7.75	7.50	7.50	7.75	7.75	7.75
Composition	1.20	7.50	8.00	8.00	8.00	8.00	7.50	7.50	8.00	7.75	7.82
Interpretation of the Music/Timing	1.20	8.25	8.00	7.75	8.00	8.00	7.75	7.50	7.75	8.00	7.89

Judges Total Program Component Score (factored)

45.93

Deductions:

0.00

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
2	TYUTYUNINA Sofya / SHUSTITSKIY Alexander	RUS	12	96.51	51.33	45.18	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	SyTwL4+SyTwM4		6.84	1.87	2	2	3	3	3	2	2	3	3		8.71
2	CoSp4		6.00	1.29	2	3	2	2	2	2	1	3	4		7.29
3	SILi4		5.30	1.31	2	3	3	3	3	2	3	3	3		6.61
4	SeSt2		6.95	2.21	2	3	2	2	3	1	2	2	3		9.16
5	OFStL2+OFStM2		5.34	1.45	2	2	1	2	3	1	1	3	3		6.79
6	ChSt1		1.10	2.13	1	3	3	2	2	2	2	4	4		3.23
7	ChSI1		1.10	1.90	1	2	3	3	2	0	2	3	3		3.00
8	RoLi4		5.30	1.24	2	3	2	3	3	1	3	3	3		6.54
			37.93												51.33

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	7.50	7.50	7.50	7.75	7.75	7.00	7.50	7.50	8.00	7.57
Transitions	1.20	7.50	7.50	7.25	7.50	7.50	6.75	7.25	7.50	8.00	7.43
Performance	1.20	7.25	7.75	7.50	8.25	7.50	7.00	7.50	7.50	8.25	7.61
Composition	1.20	7.50	7.50	7.50	8.00	7.50	7.25	7.25	8.00	8.00	7.61
Interpretation of the Music/Timing	1.20	7.25	7.50	7.25	7.75	7.25	7.00	7.25	7.75	8.25	7.43

Judges Total Program Component Score (factored)

45.18

Deductions:

0.00



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
3	WOLFKOSTIN Katarina / CHEN Jeffrey	USA	7	95.41	51.61	43.80	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	StaLi4		5.30	1.24	4	2	3	2	3	2	3	3	3		6.54
2	OFStL4+OFStM3		6.47	1.46	2	2	2	2	2	1	2	3	2		7.93
3	SyTwL4+SyTwM4		6.84	1.77	2	2	3	2	3	2	2	3	3		8.61
4	CiSt3		7.70	1.94	1	2	2	1	2	2	2	3	3		9.64
5	CuLi4		5.30	1.18	2	2	2	2	3	3	3	3	3		6.48
6	CoSp2		4.50	1.21	2	2	2	2	3	2	1	3	2		5.71
7	ChSt1		1.10	2.13	2	2	2	2	3	2	3	4	4		3.23
8	ChLi1		1.10	2.37	3	2	2	2	3	3	3	4	4		3.47
			38.31												51.61

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	6.50	7.00	7.00	7.25	7.75	7.25	7.00	7.75	7.50	7.25
Transitions	1.20	6.25	7.00	7.00	7.00	7.50	7.00	6.75	7.50	7.50	7.11
Performance	1.20	6.75	7.25	7.25	7.25	7.75	7.50	7.25	7.75	7.75	7.43
Composition	1.20	6.50	7.25	7.25	7.00	7.50	7.50	7.25	8.00	7.50	7.32
Interpretation of the Music/Timing	1.20	7.00	7.00	7.25	7.50	7.75	7.25	7.25	8.00	7.75	7.39

Judges Total Program Component Score (factored)

43.80

Deductions:

0.00

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
4	YOSHIDA Utana / NISHIYAMA Shingo	JPN	8	92.32	49.32	43.00	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	ChSt1		1.10	1.78	2	2	2	2	3	2	2	2	3		2.88
2	SyTwL4+SyTwM4		6.84	2.18	2	3	3	3	3	3	3	3	3		9.02
3	CoSp3		5.25	1.29	3	2	1	2	2	2	3	2	3		6.54
4	RoLi4		5.30	0.98	2	2	2	3	2	1	2	2	3		6.28
5	CuLi4		5.30	0.98	2	3	2	2	3	2	2	2	2		6.28
6	OFStL2+OFStM2		5.34	1.35	1	2	2	2	2	1	2	2	3		6.69
7	MiSt2		6.95	1.80	1	2	2	2	1	2	2	2	3		8.75
8	ChTw1		1.10	1.78	2	2	2	2	3	1	1	3	3		2.88
			37.18												49.32

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	6.75	7.25	7.00	7.25	6.75	6.50	7.00	7.00	7.25	7.00
Transitions	1.20	6.50	7.25	7.25	7.00	7.00	6.25	6.75	7.00	7.00	6.93
Performance	1.20	7.50	7.50	7.25	7.50	7.00	7.00	7.00	6.25	7.50	7.25
Composition	1.20	7.00	7.50	7.00	7.25	7.50	7.25	7.00	7.50	7.50	7.29
Interpretation of the Music/Timing	1.20	7.75	7.50	7.00	7.50	7.50	7.25	7.25	6.50	7.50	7.36

Judges Total Program Component Score (factored)

43.00

Deductions:

0.00



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
5	D'ALESSANDRO Natalie / WADDELL Bruce	CAN	9	91.91	47.74	44.17	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	SyTwL4+SyTwM2		6.09	1.46	2	2	2	1	2	2	3	2	2		7.55
2	OFStL2+OFStM2		5.34	1.56	2	2	2	2	3	1	2	3	2		6.90
3	ChSI1		1.10	2.13	2	2	3	2	3	1	3	3	3		3.23
4	DiSt1		6.45	1.66	2	2	1	1	3	1	2	2	2		8.11
5	CuLi3		4.55	0.98	3	2	2	2	2	2	3	2	2		5.53
6	CoSp4		6.00	1.21	2	2	2	1	3	2	2	3	2		7.21
7	ChSt1		1.10	2.25	2	2	3	2	3	3	3	4	3		3.35
8	StaLi3		4.55	1.31	3	2	3	3	4	2	3	3	3		5.86
															35.18
															47.74

Program Components

	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	7.50	7.00	7.25	7.00	7.75	7.00	7.50	7.50	7.50	7.32
Transitions	1.20	7.00	7.00	7.00	7.00	7.75	6.75	7.25	7.50	7.25	7.14
Performance	1.20	7.50	7.25	7.50	7.25	7.50	7.00	7.50	7.50	7.50	7.43
Composition	1.20	7.25	7.25	7.50	7.50	7.75	7.25	7.50	8.00	7.50	7.46
Interpretation of the Music/Timing	1.20	7.75	7.25	7.25	7.25	7.75	7.25	7.50	7.75	7.50	7.46

Judges Total Program Component Score (factored)

44.17

Deductions:

0.00

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
6	MAKITA Miku / GUNARA Tyler	CAN	10	90.42	47.50	42.92	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	CoSp4		6.00	1.21	3	2	3	1	3	1	2	2	2		7.21
2	SILi4		5.30	1.18	3	2	3	2	3	1	2	3	3		6.48
3	OFStL1+OFStM2		5.09	1.14	3	1	2	1	2	1	1	2	2		6.23
4	DiSt2		6.95	1.39	2	1	2	1	3	0	1	2	1		8.34
5	SyTwL4+SyTwM3		6.47	1.25	1	2	3	2	2	0	0	3	2		7.72
6	ChSt1		1.10	1.30	1	1	2	2	2	1	1	2	2		2.40
7	RoLi4		5.30	1.18	3	2	3	3	3	1	1	3	3		6.48
8	ChLi1		1.10	1.54	2	2	2	2	3	1	1	2	2		2.64
															37.31
															47.50

Program Components

	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	7.25	7.00	7.25	7.00	7.25	6.50	7.00	7.50	7.25	7.14
Transitions	1.20	7.50	6.50	7.00	6.75	7.50	6.25	6.75	7.50	7.00	7.00
Performance	1.20	7.50	7.00	7.00	7.50	7.50	6.50	7.00	7.00	7.50	7.21
Composition	1.20	7.25	6.75	7.25	7.25	7.50	7.00	6.75	7.75	7.50	7.21
Interpretation of the Music/Timing	1.20	7.75	7.00	7.50	7.50	7.25	7.00	6.75	7.00	7.25	7.21

Judges Total Program Component Score (factored)

42.92

Deductions:

0.00



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
7	CIMLOVA Denisa / HLAVSA Vilem	CZE	5	80.97	43.89	37.08	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	StLi4		5.30	0.85	3	2	2	2	1	2	1	2	2		6.15
2	SyTwL4+SyTwM4		6.84	0.93	2	1	1	1	2	0	1	2	1		7.77
3	ChSt1		1.10	1.30	1	1	2	2	2	1	1	2	3		2.40
4	DiSt2		6.95	1.11	1	1	1	1	2	1	1	1	2		8.06
5	CoSp3		5.25	0.64	1	1	2	1	3	1	1	1	1		5.89
6	SILi4		5.30	0.98	3	2	2	2	3	2	2	1	2		6.28
7	OFStL2+OFStM2		5.34	0.31	0	0	0	1	1	0	1	0	1		5.65
8	ChSp1		1.10	0.59	1	1	0	1	0	0	1	1	2		1.69
			37.18											43.89	

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	5.75	5.75	6.25	6.50	6.25	6.25	6.00	5.75	6.25	6.07
Transitions	1.20	6.00	5.50	6.25	6.25	5.75	6.00	5.75	5.25	6.25	5.93
Performance	1.20	6.25	6.00	6.50	6.50	6.25	6.50	6.00	6.00	6.50	6.29
Composition	1.20	6.25	5.75	6.50	6.75	6.25	6.50	6.00	5.75	6.50	6.25
Interpretation of the Music/Timing	1.20	6.50	6.00	6.25	6.50	6.50	6.25	6.00	6.50	6.50	6.36

Judges Total Program Component Score (factored)

37.08

Deductions:

0.00

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
8	CHERNAVSKA Anna / MURATOV Oleg	UKR	6	79.37	43.17	36.20	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	RoLi4		5.30	0.72	2	2	2	2	2	1	1	1	1		6.02
2	Sp4		6.00	0.40	1	1	1	1	0	1	1	0	0		6.40
3	SyTwL4+SyTwM4		6.84	1.14	2	1	1	1	2	2	1	2	2		7.98
4	DiSt2		6.95	0.42	1	1	0	0	1	0	0	0	1		7.37
5	OFStL3+OFStM2		5.72	0.21	0	1	-1	0	0	0	0	1	2		5.93
6	SILi4		5.30	0.07	1	1	-1	1	-1	0	0	0	0		5.37
7	ChSt1		1.10	1.19	2	0	1	1	2	1	1	2	2		2.29
8	ChSp1		1.10	0.71	1	1	0	1	1	1	0	1	1		1.81
			38.31											43.17	

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Total
Skating Skills	1.20	6.25	5.75	6.25	6.00	6.25	6.50	6.00	5.25	6.00	6.07
Transitions	1.20	6.00	5.75	5.75	5.75	6.00	6.25	5.75	5.00	6.00	5.86
Performance	1.20	6.25	6.00	6.00	6.25	5.75	6.50	6.00	5.75	6.25	6.07
Composition	1.20	6.25	6.25	6.00	6.00	6.00	6.25	6.00	5.75	6.25	6.11
Interpretation of the Music/Timing	1.20	6.75	6.00	6.00	5.75	5.75	6.75	6.00	5.75	6.25	6.07

Judges Total Program Component Score (factored)

36.20

Deductions:

0.00



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
9	TUBA Giulia / TUBA Andrea	ITA	4	77.54	42.10	35.44	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	CoSp3		5.25	0.80	2	1	1	1	3	1	1	2	2		6.05
2	DiSt2		6.95	0.97	0	1	1	0	2	1	1	1	2		7.92
3	SILi4		5.30	0.46	1	1	1	1	1	1	1	1	1		5.76
4	SyTwL4+SyTwM4		6.84	0.31	0	1	0	0	0	1	1	1	0		7.15
5	OFStL2+OFStM2		5.34	0.31	0	0	0	1	1	0	0	1	1		5.65
6	ChSt1		1.10	0.83	1	1	1	1	0	1	2	1	1		1.93
7	RoLi3		4.55	0.92	2	2	2	2	3	2	2	2	1		5.47
8	ChLi1		1.10	1.07	1	1	1	2	2	1	1	-1	2		2.17
			36.43												42.10

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Scores of Panel
Skating Skills	1.20	5.00	5.50	6.00	6.00	6.00	6.00	6.00	5.50	6.00	5.86
Transitions	1.20	5.25	5.25	5.75	5.75	5.75	5.75	5.50	5.25	5.75	5.57
Performance	1.20	5.25	5.50	6.25	6.00	6.25	6.25	6.25	5.75	6.50	6.04
Composition	1.20	5.50	5.75	6.00	5.75	6.00	6.25	6.00	6.25	6.25	6.00
Interpretation of the Music/Timing	1.20	5.75	5.50	6.00	6.25	6.25	6.00	6.25	6.00	6.25	6.07

Judges Total Program Component Score (factored)

35.44

Deductions:

0.00

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
10	FRADJI Celina / FOURNEAUX Jean-Hans	FRA	1	72.13	38.61	33.52	0.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	OFStL1+OFStM1		4.84	0.51	2	1	0	0	1	0	1	1	1		5.35
2	SILi3		4.55	0.66	3	2	1	1	2	2	1	1	1		5.21
3	SyTwL4+SyTwM3		6.47	0.10	0	1	-1	0	0	0	0	1	0		6.57
4	ChSl1		1.10	0.47	0	0	1	2	1	0	0	2	0		1.57
5	Sp4		6.00	0.56	2	1	1	1	1	1	1	1	1		6.56
6	CiSt1		6.45	0.55	1	0	0	0	1	0	1	1	1		7.00
7	RoLi3		4.55	0.46	2	1	1	1	2	1	1	0	0		5.01
8	ChTw1		1.10	0.24	1	0	1	1	0	0	0	-1	0		1.34
			35.06												38.61

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Scores of Panel
Skating Skills	1.20	5.50	5.50	5.75	5.75	5.75	5.50	6.00	5.75	5.75	5.68
Transitions	1.20	5.25	5.25	5.50	5.50	5.50	5.00	5.75	5.00	5.25	5.32
Performance	1.20	5.75	5.50	5.50	6.00	5.75	5.25	6.00	5.00	5.75	5.64
Composition	1.20	6.50	5.50	5.75	5.75	6.00	5.50	6.00	5.75	5.50	5.75
Interpretation of the Music/Timing	1.20	6.25	5.25	5.50	5.50	5.75	5.25	6.00	5.25	5.50	5.54

Judges Total Program Component Score (factored)

33.52

Deductions:

0.00



Judges Details per Skater

Notation détaillée des juges par patineur / Detaillierte Bewertung per Skater

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
11	LEBEDEVA-BITADZE Yulia / KAYGORODTSEV Mikhail	GEO	2	68.45	35.37	34.08	-1.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	CoSp4		6.00	0.56	2	1	2	1	1	2	0	0	0		6.56
2	RoLi4		5.30	0.72	4	2	2	2	1	2	2	-2	0		6.02
3	MiSt2		6.95	0.69	0	0	1	1	1	0	1	1	1		7.64
4	OFStL2+OFStM1		5.09	-0.21	0	-1	1	0	0	0	0	-1	-1		4.88
5	ChSt1		1.10	0.68	1	-1	2	2	2	0	1	-1	0		1.78
6	SyTwL3+SyTwM4		6.47	0.21	-1	1	1	1	0	1	0	-1	0		6.68
7	SILi	F	0.00	0.00	-	-	-	-	-	-	-	-	-		0.00
8	ChSp1		1.10	0.71	0	0	1	2	1	1	0	2	1		1.81
			32.01												35.37

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Scores of Panel
Skating Skills	1.20	5.50	6.00	6.50	6.25	5.50	6.00	6.00	5.00	5.75	5.86
Transitions	1.20	5.00	5.75	6.25	5.75	5.25	5.50	5.75	4.25	5.50	5.50
Performance	1.20	5.25	6.00	6.25	6.00	5.25	5.50	5.50	4.00	5.50	5.57
Composition	1.20	5.75	5.50	6.50	6.25	5.50	6.00	6.00	4.75	5.50	5.79
Interpretation of the Music/Timing	1.20	5.50	6.00	6.25	6.00	5.25	5.75	5.75	4.00	5.50	5.68

Judges Total Program Component Score (factored)

34.08

Deductions: Falls -1.00 (1) **-1.00**

Rank	Name	NOC Code	Starting Number	Total Segment Score	Total Element Score	Total Program Component Score (factored)	Total Deductions
12	ZEHNDER Gina / SIEBER Beda Leon	SUI	3	60.85	35.63	26.22	-1.00

#	Executed Elements	Info	Base Value	GOE	J1	J2	J3	J4	J5	J6	J7	J8	J9	Ref.	Scores of Panel
1	CoSp4		6.00	-0.08	0	-1	0	1	-1	0	0	0	0		5.92
2	CiSt1		6.45	-0.69	-1	-1	-1	-1	-2	0	-1	0	0		5.76
3	StaLi4	>	5.30	0.72	3	0	1	1	3	1	1	2	2		6.02
4	ChSt1		1.10	0.36	2	0	1	0	1	0	0	0	1		1.46
5	SyTwL3+SyTwM3		6.10	-1.14	0	-3	-3	-1	-1	-1	-1	-2	-2		4.96
6	SILi3		4.55	0.53	2	0	0	2	2	1	1	1	1		5.08
7	OFStL1+OFStM1		4.84	-0.10	0	0	0	0	0	0	0	-1	-1		4.74
8	ChSI1		1.10	0.59	0	0	1	1	-1	1	1	2	1		1.69
			35.44												35.63

Program Components

Program Components	Factor	J1	J2	J3	J4	J5	J6	J7	J8	J9	Scores of Panel
Skating Skills	1.20	4.00	4.75	5.25	4.50	3.75	4.25	4.50	3.50	4.50	4.32
Transitions	1.20	3.75	4.25	5.00	4.25	3.50	3.75	4.50	3.25	4.25	4.04
Performance	1.20	4.25	4.50	5.50	4.50	3.75	4.50	4.75	3.25	4.50	4.39
Composition	1.20	5.25	4.50	5.25	5.00	4.00	5.00	4.75	4.00	4.50	4.71
Interpretation of the Music/Timing	1.20	4.25	4.25	5.25	4.50	3.75	4.75	4.75	3.25	4.50	4.39

Judges Total Program Component Score (factored)

26.22

Deductions: Extended lifts -1.00 **-1.00**



Judges Details per Skater

Notation detaillee des juges par patineur / Detaillierte Bewertung per Skater

Legend:							
#	Sequence number	>	Extended Dance Lift	F	Fall	GOE	Grade of Execution
Jx	Judges (x=1-9)	Ref.	Referee				