

**Final Results per stage and division  
Aneby Shotgun 2015  
2015-08-29**

# OPEN Results per stage

## Stage: 1. Korthållsbanan 1

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	30.0000	2.9791	30	10.07	49. Robert Gunnarsson	Open	-	U	rollo
2	70.04	21.0116	2.0866	27	12.94	47. Niklas Arabäck	Open	-	U	nboy
3	47.07	14.1219	1.4024	26	18.54	29. Andreas Anderson	Open	-	U	andreas
4	26.60	7.9805	0.7925	11	13.88	30. Peter Larsson	Open	-	U	pelar

## Stage: 2. Korthållsbanan 2

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	3.0473	38	12.47	30. Peter Larsson	Open	-	U	pelar
2	82.44	32.9761	2.5122	36	14.33	29. Andreas Anderson	Open	-	U	andreas
3	63.88	25.5500	1.9465	24	12.33	49. Robert Gunnarsson	Open	-	U	rollo
4	28.34	11.3353	0.8636	10	11.58	47. Niklas Arabäck	Open	-	U	nboy

## Stage: 3. Älgbanan

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	120.0000	4.7375	120	25.33	30. Peter Larsson	Open	-	U	pelar
2	95.58	114.7019	4.5283	120	26.50	47. Niklas Arabäck	Open	-	U	nboy
3	80.69	96.8334	3.8229	120	31.39	29. Andreas Anderson	Open	-	U	andreas
4	56.05	67.2627	2.6555	120	45.19	49. Robert Gunnarsson	Open	-	U	rollo

## Stage: 4. Trapp

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	70.0000	4.2904	65	15.15	47. Niklas Arabäck	Open	-	U	nboy
2	86.13	60.2899	3.6953	65	17.59	49. Robert Gunnarsson	Open	-	U	rollo
3	65.98	46.1890	2.8310	65	22.96	29. Andreas Anderson	Open	-	U	andreas
4	32.50	22.7498	1.3944	60	43.03	30. Peter Larsson	Open	-	U	pelar

## Stage: 5. Skeet

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	80.0000	3.0734	80	26.03	29. Andreas Anderson	Open	-	U	andreas
2	98.67	78.9386	3.0326	80	26.38	30. Peter Larsson	Open	-	U	pelar
3	79.47	63.5764	2.4424	70	28.66	47. Niklas Arabäck	Open	-	U	nboy
4	57.07	45.6552	1.7539	70	39.91	49. Robert Gunnarsson	Open	-	U	rollo

## Stage: 6. Grusgropen

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	3.8986	40	10.26	30. Peter Larsson	Open	-	U	pelar
2	87.84	35.1370	3.4247	40	11.68	29. Andreas Anderson	Open	-	U	andreas
3	80.85	32.3404	3.1521	40	12.69	47. Niklas Arabäck	Open	-	U	nboy
4	71.35	28.5396	2.7816	40	14.38	49. Robert Gunnarsson	Open	-	U	rollo

# MODIFIED Results per stage

## Stage: 1. Korthållsbanan 1

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	30.0000	0.3123	13	41.63	32. Tobias Håkanson	Modified	-	U	tmt

## Stage: 2. Korthållsbanan 2

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	1.6164	37	22.89	32. Tobias Håkanson	Modified	-	U	tmt

## Stage: 3. Älgbanan

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	120.0000	2.9369	120	40.86	32. Tobias Håkanson	Modified	-	U	tmt

## Stage: 4. Trapp

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	70.0000	1.2521	60	47.92	32. Tobias Håkanson	Modified	-	U	tmt

## Stage: 5. Skeet

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	80.0000	2.0091	75	37.33	32. Tobias Håkanson	Modified	-	U	tmt

## Stage: 6. Grusgropen

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	2.2396	40	17.86	32. Tobias Håkanson	Modified	-	U	tmt

# STANDARD Results per stage

## Stage: 1. Korthållsbanan 1

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	30.0000	3.4198	29	8.48	33. Fredrik Pettersson	Standard	-	U	dvc
2	87.85	26.3549	3.0043	28	9.32	18. Michael Bjurshagen	Standard	-	U	mibj
3	73.96	22.1870	2.5292	26	10.28	22. Henrik Kedfors	Standard	-	U	kedfors
4	73.86	22.1567	2.5257	27	10.69	13. Fredrik Lindblad	Standard	-	U	fastman666
5	44.53	13.3590	1.5228	12	7.88	34. Niklas Lindkvist	Standard	-	C	humle
6	34.40	10.3205	1.1765	24	20.40	2. Hugo Källner	Standard	-	U	asfalt
7	29.26	8.7783	1.0007	30	29.98	54. Andreas Lindahl	Standard	-	U	lindahl
8	27.61	8.2819	0.9441	26	27.54	1. Daniel Fritjofsson	Standard	-	U	dtf
9	23.48	7.0439	0.8030	13	16.19	3. Daniel Tillström	Standard	-	U	climber
10	15.73	4.7182	0.5378	14	26.03	20. Therese Bjurshagen	Standard	L	U	
11	0.00	0.0000	0.0000	0	41.47	56. Rasmus Garnå	Standard	-	U	

## Stage: 2. Korthållsbanan 2

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	2.9276	38	12.98	33. Fredrik Pettersson	Standard	-	U	dvc
2	90.52	36.2064	2.6499	38	14.34	13. Fredrik Lindblad	Standard	-	U	fastman666
3	61.90	24.7592	1.8121	38	20.97	20. Therese Bjurshagen	Standard	L	U	
4	58.64	23.4561	1.7167	24	13.98	3. Daniel Tillström	Standard	-	U	climber
5	50.23	20.0929	1.4706	23	15.64	18. Michael Bjurshagen	Standard	-	U	mibj
6	47.07	18.8272	1.3780	21	15.24	22. Henrik Kedfors	Standard	-	U	kedfors
7	44.44	17.7758	1.3010	22	16.91	34. Niklas Lindkvist	Standard	-	C	humle
8	28.73	11.4937	0.8412	24	28.53	2. Hugo Källner	Standard	-	U	asfalt
9	24.40	9.7594	0.7143	23	32.20	1. Daniel Fritjofsson	Standard	-	U	dtf
10	24.10	9.6417	0.7057	24	34.01	54. Andreas Lindahl	Standard	-	U	lindahl
11	0.00	0.0000	0.0000	0	22.87	56. Rasmus Garnå	Standard	-	U	

## Stage: 3. Älgbanan

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	120.0000	3.2635	120	36.77	18. Michael Bjurshagen	Standard	-	U	mibj
2	90.81	108.9751	2.9637	120	40.49	1. Daniel Fritjofsson	Standard	-	U	dtf
3	82.09	98.5131	2.6792	120	44.79	13. Fredrik Lindblad	Standard	-	U	fastman666
4	81.22	97.4685	2.6508	120	45.27	33. Fredrik Pettersson	Standard	-	U	dvc
5	76.89	92.2710	2.5094	120	47.82	3. Daniel Tillström	Standard	-	U	climber
6	65.80	78.9621	2.1475	120	55.88	22. Henrik Kedfors	Standard	-	U	kedfors
7	60.88	73.0530	1.9868	120	60.40	2. Hugo Källner	Standard	-	U	asfalt
8	60.34	72.4056	1.9691	120	60.94	34. Niklas Lindkvist	Standard	-	C	humle
9	53.45	64.1430	1.7444	120	68.79	54. Andreas Lindahl	Standard	-	U	lindahl

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
10	33.97	40.7650	1.1086	120	108.24	56. Rasmus Garnå	Standard	-	U	
11	31.96	38.3554	1.0431	120	115.04	20. Therese Bjurshagen	Standard	L	U	

## Stage: 4. Trapp

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	70.0000	5.5607	60	10.79	22. Henrik Kedfors	Standard	-	U	kedfors
2	92.14	64.5004	5.1238	60	11.71	33. Fredrik Pettersson	Standard	-	U	dvc
3	91.83	64.2809	5.1064	60	11.75	3. Daniel Tillström	Standard	-	U	climber
4	77.29	54.1046	4.2980	60	13.96	18. Michael Bjurshagen	Standard	-	U	mibj
5	72.60	50.8180	4.0369	70	17.34	1. Daniel Fritjofsson	Standard	-	U	dtf
6	55.48	38.8344	3.0850	65	21.07	13. Fredrik Lindblad	Standard	-	U	fastman666
7	54.55	38.1821	3.0331	65	21.43	2. Hugo Källner	Standard	-	U	asfalt
8	53.91	37.7380	2.9979	70	23.35	34. Niklas Lindkvist	Standard	-	C	humle
9	39.79	27.8503	2.2124	60	27.12	56. Rasmus Garnå	Standard	-	U	
10	36.23	25.3640	2.0149	65	32.26	54. Andreas Lindahl	Standard	-	U	lindahl
11	30.88	21.6180	1.7173	65	37.85	20. Therese Bjurshagen	Standard	L	U	

## Stage: 5. Skeet

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	80.0000	2.5597	75	29.30	3. Daniel Tillström	Standard	-	U	climber
2	99.05	79.2370	2.5353	70	27.61	33. Fredrik Pettersson	Standard	-	U	dvc
3	96.43	77.1415	2.4683	70	28.36	18. Michael Bjurshagen	Standard	-	U	mibj
4	87.80	70.2427	2.2475	75	33.37	22. Henrik Kedfors	Standard	-	U	kedfors
5	85.67	68.5380	2.1930	75	34.20	13. Fredrik Lindblad	Standard	-	U	fastman666
6	85.27	68.2189	2.1828	75	34.36	1. Daniel Fritjofsson	Standard	-	U	dtf
7	81.21	64.9667	2.0787	75	36.08	34. Niklas Lindkvist	Standard	-	C	humle
8	63.28	50.6229	1.6198	80	49.39	2. Hugo Källner	Standard	-	U	asfalt
9	62.72	50.1759	1.6055	80	49.83	54. Andreas Lindahl	Standard	-	U	lindahl
10	49.00	39.1997	1.2543	70	55.81	20. Therese Bjurshagen	Standard	L	U	
11	41.48	33.1840	1.0618	55	51.80	56. Rasmus Garnå	Standard	-	U	

## Stage: 6. Grusgropen

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	3.1671	40	12.63	18. Michael Bjurshagen	Standard	-	U	mibj
2	97.30	38.9214	3.0817	40	12.98	13. Fredrik Lindblad	Standard	-	U	fastman666
3	81.91	32.7626	2.5940	40	15.42	34. Niklas Lindkvist	Standard	-	C	humle
4	77.11	30.8425	2.4420	40	16.38	1. Daniel Fritjofsson	Standard	-	U	dtf
5	72.75	29.1014	2.3041	40	17.36	3. Daniel Tillström	Standard	-	U	climber
6	70.96	28.3820	2.2472	40	17.80	33. Fredrik Pettersson	Standard	-	U	dvc

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
7	63.40	25.3614	2.0080	40	19.92	2. Hugo Källner	Standard	-	U	asfalt
8	56.64	22.6547	1.7937	40	22.30	22. Henrik Kedfors	Standard	-	U	kedfors
9	54.56	21.8229	1.7279	40	23.15	54. Andreas Lindahl	Standard	-	U	lindahl
10	44.96	17.9850	1.4240	40	28.09	20. Therese Bjurshagen	Standard	L	U	
11	19.89	7.9547	0.6298	40	63.51	56. Rasmus Garnå	Standard	-	U	

# STANDARD MANUAL Results per stage

## Stage: 1. Korthållsbanan 1

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	30.0000	2.8398	28	9.86	28. Stefan Grahn	Standard Manual	S	U	
2	91.81	27.5419	2.6071	28	10.74	10. Jimmy Svensson	Standard Manual	-	U	9mm
3	87.88	26.3653	2.4957	29	11.62	31. Tarmo Kopakka	Standard Manual	S	U	
4	49.81	14.9440	1.4146	13	9.19	7. Henrik Jonsson	Standard Manual	-	U	epic
5	44.58	13.3725	1.2658	13	10.27	57. Jonas Björk	Standard Manual	-	U	whistler
6	26.93	8.0798	0.7648	12	15.69	4. Kai Koskinen	Standard Manual	S	U	
7	7.95	2.3843	0.2257	13	57.60	44. Yodkwan Idh	Standard Manual	-	U	
8	0.00	0.0000	0.0000	0	24.68	6. jaakko kangasvieri	Standard Manual	-	U	jaakko
9	0.00	0.0000	0.0000	0	12.38	21. Mikael Idh	Standard Manual	-	U	majk
10	0.00	0.0000	0.0000	0	11.92	46. Per Eriksson	Standard Manual	-	U	hemsk
11	0.00	0.0000	0.0000	0	49.82	55. Patrik Andersson	Standard Manual	-	U	pat
12	0.00	0.0000	0.0000	0	39.93	58. Pierre Osbeck	Standard Manual	-	U	

## Stage: 2. Korthållsbanan 2

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	2.7620	39	14.12	31. Tarmo Kopakka	Standard Manual	S	U	
2	62.66	25.0630	1.7306	23	13.29	6. jaakko kangasvieri	Standard Manual	-	U	jaakko
3	53.62	21.4473	1.4810	21	14.18	57. Jonas Björk	Standard Manual	-	U	whistler
4	30.30	12.1209	0.8370	25	29.87	44. Yodkwan Idh	Standard Manual	-	U	
5	24.44	9.7778	0.6752	9	13.33	7. Henrik Jonsson	Standard Manual	-	U	epic
6	22.27	8.9090	0.6152	9	14.63	55. Patrik Andersson	Standard Manual	-	U	pat
7	22.25	8.9003	0.6146	7	11.39	21. Mikael Idh	Standard Manual	-	U	majk
8	9.35	3.7408	0.2583	7	27.10	28. Stefan Grahn	Standard Manual	S	U	
9	0.00	0.0000	0.0000	0	16.23	4. Kai Koskinen	Standard Manual	S	U	
10	0.00	0.0000	0.0000	0	4.65	10. Jimmy Svensson	Standard Manual	-	U	9mm
11	0.00	0.0000	0.0000	0	33.89	46. Per Eriksson	Standard Manual	-	U	hemsk
12	0.00	0.0000	0.0000	0	29.11	58. Pierre Osbeck	Standard Manual	-	U	

## Stage: 3. Älgbanan

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	120.0000	3.0761	120	39.01	10. Jimmy Svensson	Standard Manual	-	U	9mm
2	95.92	115.1020	2.9506	120	40.67	6. jaakko kangasvieri	Standard Manual	-	U	jaakko
3	82.44	98.9265	2.5359	120	47.32	7. Henrik Jonsson	Standard Manual	-	U	epic
4	65.15	78.1764	2.0040	120	59.88	28. Stefan Grahn	Standard Manual	S	U	
5	60.94	73.1323	1.8747	120	64.01	31. Tarmo Kopakka	Standard Manual	S	U	
6	53.72	64.4616	1.6524	120	72.62	21. Mikael Idh	Standard Manual	-	U	majk
7	46.47	55.7684	1.4296	120	83.94	57. Jonas Björk	Standard Manual	-	U	whistler



#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
8	43.76	52.5151	1.3462	120	89.14	46. Per Eriksson	Standard Manual	-	U	hemsk
9	42.89	51.4644	1.3193	120	90.96	55. Patrik Andersson	Standard Manual	-	U	pat
10	36.07	43.2883	1.1097	120	108.14	4. Kai Koskinen	Standard Manual	S	U	
11	27.52	33.0243	0.8466	120	141.75	44. Yodkwan Idh	Standard Manual	-	U	
12	20.72	24.8683	0.6375	105	164.71	58. Pierre Osbeck	Standard Manual	-	U	

## Stage: 4. Trapp

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	70.0000	4.3228	60	13.88	10. Jimmy Svensson	Standard Manual	-	U	9mm
2	80.14	56.0970	3.4642	60	17.32	6. jaakko kangasvieri	Standard Manual	-	U	jaakko
3	67.58	47.3028	2.9211	60	20.54	4. Kai Koskinen	Standard Manual	S	U	
4	66.01	46.2057	2.8534	65	22.78	21. Mikael Idh	Standard Manual	-	U	majk
5	58.91	41.2394	2.5467	60	23.56	7. Henrik Jonsson	Standard Manual	-	U	epic
6	50.17	35.1207	2.1688	65	29.97	57. Jonas Björk	Standard Manual	-	U	whistler
7	47.77	33.4360	2.0648	65	31.48	31. Tarmo Kopakka	Standard Manual	S	U	
8	46.17	32.3220	1.9960	60	30.06	28. Stefan Grahn	Standard Manual	S	U	
9	44.27	30.9920	1.9139	60	31.35	55. Patrik Andersson	Standard Manual	-	U	pat
10	38.13	26.6878	1.6481	65	39.44	44. Yodkwan Idh	Standard Manual	-	U	
11	30.81	21.5690	1.3320	65	48.80	58. Pierre Osbeck	Standard Manual	-	U	
12	25.96	18.1743	1.1223	60	53.46	46. Per Eriksson	Standard Manual	-	U	hemsk

## Stage: 5. Skeet

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	80.0000	2.6032	70	26.89	10. Jimmy Svensson	Standard Manual	-	U	9mm
2	76.94	61.5508	2.0029	70	34.95	6. jaakko kangasvieri	Standard Manual	-	U	jaakko
3	72.88	58.3065	1.8973	75	39.53	57. Jonas Björk	Standard Manual	-	U	whistler
4	72.42	57.9370	1.8853	70	37.13	28. Stefan Grahn	Standard Manual	S	U	
5	71.85	57.4822	1.8705	80	42.77	21. Mikael Idh	Standard Manual	-	U	majk
6	65.24	52.1883	1.6982	70	41.22	7. Henrik Jonsson	Standard Manual	-	U	epic
7	61.76	49.4074	1.6077	75	46.65	55. Patrik Andersson	Standard Manual	-	U	pat
8	58.79	47.0310	1.5304	70	45.74	4. Kai Koskinen	Standard Manual	S	U	
9	50.83	40.6654	1.3233	70	52.90	31. Tarmo Kopakka	Standard Manual	S	U	
10	47.05	37.6438	1.2249	80	65.31	46. Per Eriksson	Standard Manual	-	U	hemsk
11	42.79	34.2330	1.1139	70	62.84	44. Yodkwan Idh	Standard Manual	-	U	
12	35.30	28.2384	0.9189	70	76.18	58. Pierre Osbeck	Standard Manual	-	U	

## Stage: 6. Grusgropen

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
1	100.00	40.0000	3.2976	40	12.13	6. jaakko kangasvieri	Standard Manual	-	U	jaakko

#.	STAGE PERCENT	STAGE POINTS	HIT FACTOR	POINTS	TIME (sec)	COMPETITOR #. Name	DIV	CAT	CLS	ICS
2	90.52	36.2090	2.9851	40	13.40	10. Jimmy Svensson	Standard Manual	-	U	9mm
3	61.36	24.5422	2.0233	40	19.77	7. Henrik Jonsson	Standard Manual	-	U	epic
4	57.06	22.8222	1.8815	40	21.26	55. Patrik Andersson	Standard Manual	-	U	pat
5	53.67	21.4690	1.7699	40	22.60	21. Mikael Idh	Standard Manual	-	U	majk
6	53.63	21.4500	1.7683	40	22.62	28. Stefan Grahn	Standard Manual	S	U	
7	47.98	19.1930	1.5823	40	25.28	46. Per Eriksson	Standard Manual	-	U	hemsk
8	46.44	18.5758	1.5314	40	26.12	57. Jonas Björk	Standard Manual	-	U	whistler
9	44.83	17.9305	1.4782	40	27.06	31. Tarmo Kopakka	Standard Manual	S	U	
10	42.95	17.1813	1.4164	40	28.24	4. Kai Koskinen	Standard Manual	S	U	
11	34.01	13.6025	1.1214	40	35.67	58. Pierre Osbeck	Standard Manual	-	U	
12	32.94	13.1740	1.0861	40	36.83	44. Yodkwan Idh	Standard Manual	-	U	