

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 1 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	137	29,76	4,6035	145,0000	100,00	6 Fahlke, Thomas
2	113	34,80	3,2471	102,2774	70,54	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 1 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	116	31,98	3,6273	145,0000	100,00	11 Neuenfeldt, Norman
2	118	34,31	3,4392	137,4832	94,82	18 Zarmstorf, Axel
3	92	34,20	2,6901	107,5351	74,16	10 Lichtenstein, Uwe
4	131	51,09	2,5641	102,5000	70,69	4 Jensen, Uwe
5	97	43,25	2,2428	89,6549	61,83	9 Kummer, Hannes
6	79	39,88	1,9809	79,1882	54,61	5 Bühler, Sebastian
7	90	51,09	1,7616	70,4198	48,57	16 Schröder, Michael
8	95	60,82	1,5620	62,4404	43,06	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 1 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	120	32,79	3,6597	145,0000	100,00	13 Sadewasser, Thomas
2	116	35,72	3,2475	128,6692	88,74	14 Sarcinelli, Daniela
3	73	23,92	3,0518	120,9177	83,39	7 Jedan, Thomas
4	123	44,69	2,7523	109,0493	75,21	15 Sarcinelli, Klaus
5	34	41,28	0,8236	32,6338	22,51	3 Kamm, Thomas

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 2 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	133	26,56	5,0075	135,0000	100,00	6 Fahlke, Thomas
2	98	27,51	3,5623	96,0386	71,14	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 2 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	131	29,49	4,4422	135,0000	100,00	11 Neuenfeldt, Norman
2	125	31,29	3,9949	121,4064	89,93	18 Zarmstorf, Axel
3	127	41,33	3,0728	93,3847	69,17	16 Schröder, Michael
4	87	33,36	2,6079	79,2557	58,71	10 Lichtenstein, Uwe
5	119	46,49	2,5597	77,7902	57,62	4 Jensen, Uwe
6	106	50,11	2,1153	64,2863	47,62	5 Bühler, Sebastian
7	123	64,63	1,9031	57,8373	42,84	17 Wirowski, Christopher
8	82	49,40	1,6599	50,4457	37,37	9 Kummer, Hannes

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 2 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	123	31,24	3,9373	135,0000	100,00	13 Sadewasser, Thomas
2	121	41,17	2,9390	100,7730	74,65	15 Sarcinelli, Klaus
3	107	42,29	2,5301	86,7533	64,26	3 Kamm, Thomas
4	100	41,49	2,4102	82,6411	61,22	14 Sarcinelli, Daniela

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 3 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	102	21,05	4,8456	105,0000	100,00	6 Fahlke, Thomas
2	70	20,53	3,4096	73,8840	70,37	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 3 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	85	23,42	3,6294	105,0000	100,00	11 Neuenfeldt, Norman
2	77	29,48	2,6119	75,5650	71,97	10 Lichtenstein, Uwe
3	94	44,86	2,0954	60,6214	57,73	5 Bühler, Sebastian
4	67	41,15	1,6282	47,1045	44,86	16 Schröder, Michael
5	67	41,37	1,6195	46,8540	44,62	4 Jensen, Uwe
6	21	26,98	0,7784	22,5182	21,45	18 Zarmstorf, Axel
7	16	52,57	0,3044	8,8052	8,39	17 Wirowski, Christopher
8	0	38,05	0,0000	0,0000	0,00	9 Kummer, Hannes

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 3 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	93	33,59	2,7687	105,0000	100,00	14 Sarcinelli, Daniela
2	78	31,92	2,4436	92,6719	88,26	15 Sarcinelli, Klaus
3	50	26,25	1,9048	72,2366	68,80	3 Kamm, Thomas
4	52	30,66	1,6960	64,3202	61,26	7 Jedan, Thomas
5	23	30,89	0,7446	28,2375	26,89	13 Sadewasser, Thomas

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 4 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	55	20,51	2,6816	60,0000	100,00	6 Fahlke, Thomas
2	37	15,69	2,3582	52,7634	87,94	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 4 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	52	11,62	4,4750	60,0000	100,00	18 Zarmstorf, Axel
2	54	13,78	3,9187	52,5410	87,57	11 Neuenfeldt, Norman
3	58	19,30	3,0052	40,2925	67,15	10 Lichtenstein, Uwe
4	54	23,69	2,2794	30,5621	50,94	4 Jensen, Uwe
5	46	21,42	2,1475	28,7934	47,99	9 Kummer, Hannes
6	40	18,97	2,1086	28,2714	47,12	5 Bühler, Sebastian
7	47	25,82	1,8203	24,4059	40,68	16 Schröder, Michael
8	23	43,78	0,5254	7,0438	11,74	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 4 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	58	14,82	3,9136	60,0000	100,00	13 Sadewasser, Thomas
2	54	14,27	3,7842	58,0151	96,69	3 Kamm, Thomas
3	52	17,15	3,0321	46,4848	77,47	15 Sarcinelli, Klaus
4	33	14,20	2,3239	35,6285	59,38	14 Sarcinelli, Daniela

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 5 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	60	10,81	5,5504	60,0000	100,00	6 Fahlke, Thomas
2	28	14,50	1,9310	20,8745	34,79	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 5 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	58	13,61	4,2616	60,0000	100,00	18 Zarmstorf, Axel
2	54	14,91	3,6217	50,9915	84,99	11 Neuenfeldt, Norman
3	56	15,58	3,5944	50,6060	84,34	10 Lichtenstein, Uwe
4	56	16,07	3,4848	49,0629	81,77	5 Bühler, Sebastian
5	56	19,40	2,8866	40,6413	67,74	16 Schröder, Michael
6	43	21,72	1,9797	27,8734	46,46	4 Jensen, Uwe
7	13	20,33	0,6394	9,0030	15,01	9 Kummer, Hannes
8	0	55,37	0,0000	0,0000	0,00	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 5 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	60	10,09	5,9465	60,0000	100,00	7 Jedan, Thomas
2	54	11,96	4,5150	45,5569	75,93	13 Sadewasser, Thomas
3	60	16,21	3,7014	37,3473	62,25	3 Kamm, Thomas
4	29	18,95	1,5303	15,4412	25,74	15 Sarcinelli, Klaus
5	24	16,15	1,4861	14,9944	24,99	14 Sarcinelli, Daniela

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 6 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	102	17,43	5,8520	105,0000	100,00	6 Fahlke, Thomas
2	103	20,02	5,1449	92,3123	87,92	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 6 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	93	24,74	3,7591	105,0000	100,00	11 Neuenfeldt, Norman
2	83	28,39	2,9236	81,6618	77,77	18 Zarmstorf, Axel
3	91	31,96	2,8473	79,5318	75,74	10 Lichtenstein, Uwe
4	93	38,10	2,4409	68,1811	64,93	9 Kummer, Hannes
5	100	43,58	2,2946	64,0942	61,04	16 Schröder, Michael
6	68	36,57	1,8594	51,9386	49,47	4 Jensen, Uwe
7	82	48,06	1,7062	47,6580	45,39	5 Bühler, Sebastian
8	19	46,75	0,4064	11,3521	10,81	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 6 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	101	26,05	3,8772	105,0000	100,00	13 Sadewasser, Thomas
2	95	25,47	3,7299	101,0114	96,20	15 Sarcinelli, Klaus
3	95	29,61	3,2084	86,8882	82,75	14 Sarcinelli, Daniela
4	95	39,90	2,3810	64,4802	61,41	3 Kamm, Thomas

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 7 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	104	19,26	5,3998	105,0000	100,00	6 Fahlke, Thomas
2	86	21,21	4,0547	78,8443	75,09	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 7 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	105	26,75	3,9252	105,0000	100,00	10 Lichtenstein, Uwe
2	76	20,31	3,7420	100,0985	95,33	18 Zarmstorf, Axel
3	69	22,88	3,0157	80,6709	76,83	11 Neuenfeldt, Norman
4	98	33,95	2,8866	77,2165	73,54	5 Bühler, Sebastian
5	100	36,49	2,7405	73,3078	69,82	16 Schröder, Michael
6	69	33,03	2,0890	55,8810	53,22	9 Kummer, Hannes
7	67	39,82	1,6826	45,0088	42,87	4 Jensen, Uwe
8	60	48,30	1,2422	33,2298	31,65	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 7 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	80	17,22	4,6458	105,0000	100,00	7 Jedan, Thomas
2	86	25,65	3,3528	75,7781	72,17	13 Sadewasser, Thomas
3	97	30,04	3,2290	72,9801	69,50	14 Sarcinelli, Daniela
4	52	22,31	2,3308	52,6788	50,17	3 Kamm, Thomas
5	69	31,21	2,2108	49,9675	47,59	15 Sarcinelli, Klaus

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 8 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	85	16,83	5,0505	90,0000	100,00	6 Fahlke, Thomas
2	86	18,65	4,6113	82,1726	91,30	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 8 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	80	22,31	3,5858	90,0000	100,00	18 Zarmstorf, Axel
2	67	20,99	3,1920	80,1151	89,02	11 Neuenfeldt, Norman
3	77	25,94	2,9684	74,5028	82,78	5 Bühler, Sebastian
4	84	36,21	2,3198	58,2241	64,69	10 Lichtenstein, Uwe
5	82	39,60	2,0707	51,9722	57,75	17 Wirowski, Christopher
6	68	32,95	2,0637	51,7971	57,55	4 Jensen, Uwe
7	55	30,05	1,8303	45,9378	51,04	16 Schröder, Michael
8	12	42,71	0,2810	7,0519	7,84	9 Kummer, Hannes

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 8 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	63	17,04	3,6972	90,0000	100,00	7 Jedan, Thomas
2	67	19,71	3,3993	82,7484	91,94	13 Sadewasser, Thomas
3	80	24,12	3,3167	80,7392	89,71	3 Kamm, Thomas
4	76	24,08	3,1561	76,8296	85,37	14 Sarcinelli, Daniela
5	84	27,29	3,0781	74,9285	83,25	15 Sarcinelli, Klaus

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 9 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	56	10,14	5,5227	60,0000	100,00	6 Fahlke, Thomas
2	43	12,30	3,4959	37,9808	63,30	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 9 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	54	12,27	4,4010	60,0000	100,00	18 Zarmstorf, Axel
2	56	13,39	4,1822	57,0177	95,03	5 Bühler, Sebastian
3	52	12,59	4,1303	56,3092	93,85	11 Neuenfeldt, Norman
4	60	17,18	3,4924	47,6135	79,36	10 Lichtenstein, Uwe
5	54	16,33	3,3068	45,0827	75,14	9 Kummer, Hannes
6	58	18,28	3,1729	43,2568	72,09	16 Schröder, Michael
7	60	19,66	3,0519	41,6073	69,35	4 Jensen, Uwe
8	56	24,52	2,2838	31,1365	51,89	17 Wirowski, Christopher

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 9 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	54	10,62	5,0847	60,0000	100,00	13 Sadewasser, Thomas
2	45	9,56	4,7071	55,5439	92,57	7 Jedan, Thomas
3	54	14,27	3,7842	44,6531	74,42	15 Sarcinelli, Klaus
4	54	14,51	3,7216	43,9145	73,19	3 Kamm, Thomas
5	45	15,83	2,8427	33,5439	55,91	14 Sarcinelli, Daniela

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 10 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	48	13,23	3,6281	50,0000	100,00	6 Fahlke, Thomas
2	48	17,73	2,7073	37,3096	74,62	8 Kortendieck, Ulrich

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 10 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	40	14,15	2,8269	50,0000	100,00	18 Zarmstorf, Axel
2	47	16,89	2,7827	49,2192	98,44	5 Bühler, Sebastian
3	42	15,37	2,7326	48,3328	96,67	11 Neuenfeldt, Norman
4	48	20,48	2,3438	41,4551	82,91	10 Lichtenstein, Uwe
5	46	24,11	1,9079	33,7464	67,49	16 Schröder, Michael
6	29	25,11	1,1549	20,4276	40,86	4 Jensen, Uwe
7	17	27,02	0,6292	11,1283	22,26	17 Wirowski, Christopher
8	0	22,22	0,0000	0,0000	0,00	9 Kummer, Hannes

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 10 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	44	10,64	4,1353	50,0000	100,00	13 Sadewasser, Thomas
2	42	10,96	3,8321	46,3338	92,67	7 Jedan, Thomas
3	50	16,92	2,9551	35,7296	71,46	15 Sarcinelli, Klaus
4	40	16,29	2,4555	29,6892	59,38	3 Kamm, Thomas
5	34	22,67	1,4998	18,1337	36,27	14 Sarcinelli, Daniela

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 11 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	44	8,61	5,1103	45,0000	100,00	8 Kortendieck, Ulrich
2	41	9,57	4,2842	37,7255	83,83	6 Fahlke, Thomas

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 11 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	45	11,46	3,9267	45,0000	100,00	10 Lichtenstein, Uwe
2	41	13,65	3,0037	34,4220	76,49	9 Kummer, Hannes
3	33	13,03	2,5326	29,0238	64,50	18 Zarmstorf, Axel
4	37	15,64	2,3657	27,1113	60,25	4 Jensen, Uwe
5	37	15,67	2,3612	27,0594	60,13	16 Schröder, Michael
6	40	18,90	2,1164	24,2540	53,90	5 Bühler, Sebastian
7	39	27,76	1,4049	16,1001	35,78	17 Wirowski, Christopher
8	0	7,23	0,0000	0,0000	0,00	11 Neuenfeldt, Norman

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 11 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	39	10,01	3,8961	45,0000	100,00	13 Sadewasser, Thomas
2	31	8,89	3,4871	40,2756	89,50	15 Sarcinelli, Klaus
3	28	10,28	2,7237	31,4591	69,91	14 Sarcinelli, Daniela
4	26	12,56	2,0701	23,9092	53,13	3 Kamm, Thomas
5	0	5,39	0,0000	0,0000	0,00	7 Jedan, Thomas

OPEN -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 12 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	49	10,51	4,6622	50,0000	100,00	8 Kortendieck, Ulrich
2	32	11,43	2,7996	30,0248	60,05	6 Fahlke, Thomas

STANDARD -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 12 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	46	10,08	4,5635	50,0000	100,00	18 Zarmstorf, Axel
2	38	11,03	3,4451	37,7469	75,49	11 Neuenfeldt, Norman
3	49	14,48	3,3840	37,0766	74,15	16 Schröder, Michael
4	46	14,82	3,1039	34,0081	68,02	17 Wirowski, Christopher
5	50	16,34	3,0600	33,5267	67,05	10 Lichtenstein, Uwe
6	50	16,66	3,0012	32,8827	65,77	4 Jensen, Uwe
7	32	19,28	1,6598	18,1851	36,37	5 Bühler, Sebastian
8	14	27,33	0,5123	5,6126	11,23	9 Kummer, Hannes

PRODUCTION -- Overall Stage Results

LM LV 10 IPSC Handgun 2019

Printed Juni 29, 2019 at 20:13



Stage 12 --

	PTS	TIME	HIT FACTOR	STAGE POINTS	STAGE PERCENT	COMPETITOR # Name
1	50	12,03	4,1563	50,0000	100,00	3 Kamm, Thomas
2	40	9,86	4,0568	48,8032	97,61	7 Jedan, Thomas
3	46	12,01	3,8301	46,0766	92,15	13 Sadewasser, Thomas
4	31	15,26	2,0315	24,4384	48,88	14 Sarcinelli, Daniela
5	27	14,98	1,8024	21,6829	43,37	15 Sarcinelli, Klaus