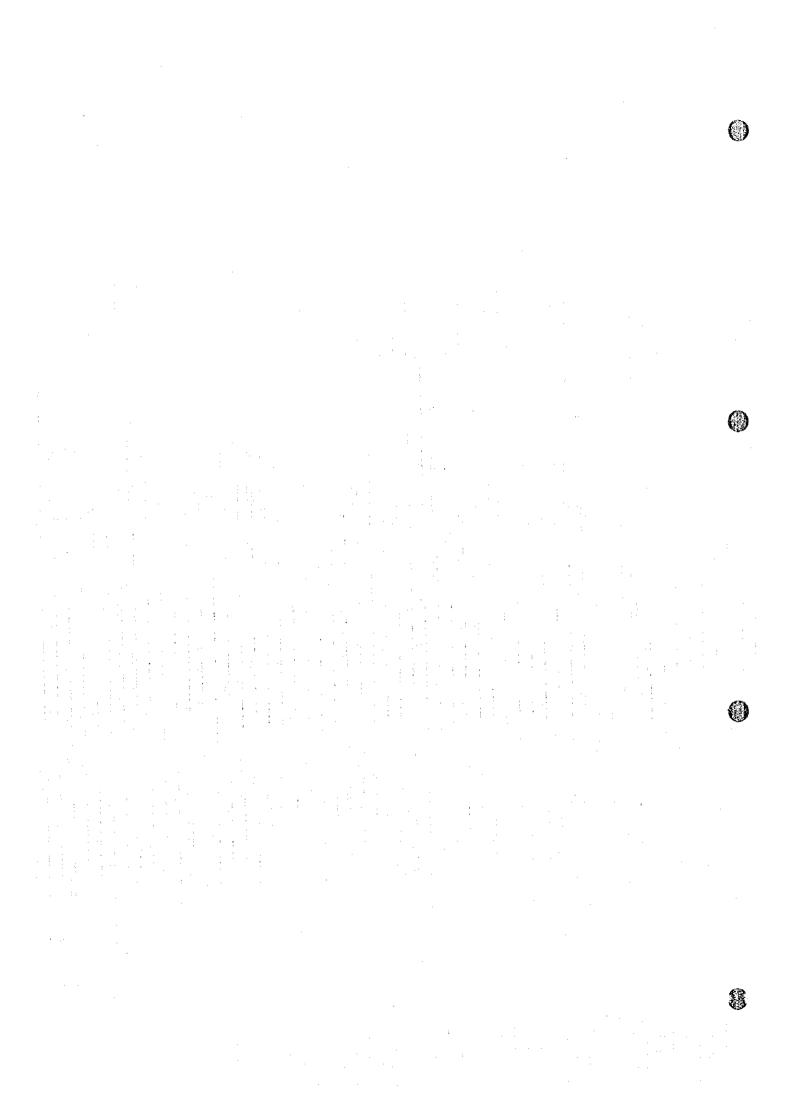
Traffic Matrices in 1996, 2000, 2005, 2010



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TOTAL	1,356,96	88.53	15,11	10.42	110,48	76.01	\$91.68	25.50	62.41	162.44	72,431	62.69	84.12	373,46	196.73	271.30		336.20	1 000
SINDE	149,46	06.8	2,10	0.62	7.72	5.31	•	:	16.2		20.5	192€	88'5	29.85	15.73	21.69	05.11	000	AC 450
17.TAKT	74.10	1.04	61.0	80.0	1.13	89.0	21.38	7,0	1.29	60'5-	88.1	1.24	1.67	90'6	5.33	20.76	00:0	11.50	175 57
16.LATE	121.20	181	0ε'0	510	1.79	1.10	41.87		2.31	8£ [1	2.35	2.09	2.88	17.89	11.61	000	29.76		27:16
15.HAMA	86.51	1.61	0.21	60'0	1.19	0.77	29.68		1.85	6.94	1.65		2.20	29.16	000	11.61	5.34	1573	106.66
14,HOMS	212.99	4.75	25'0	0.20	2.67		41.69		3.17			2.56		0000	29.14	17.88	\$0.6	29,85	272 00
13.DERA	86.65	0.58	60.0	0.0	0.71		12.61		2.95			3.07	00.0	907	2.20		1.67	\$88	84.07
12 KAME	5 25.86	98.0	9000	Ŀ	3 0.47	L	9.21		1.54		8,96	00:00	3.07	2,56			1 24	3.76	XX CX
11.HASA	29.35	1 0.41	10.07	\$ 0.03	0.53				2.08		00'0	968	2 4 53	7.07	1.65		1.38	20.5	72.40
STOLDLE	3 53.22	0.84	5 0.13	90:0	1 0.83		54.57		1.67				5 1.82		26.9	Ot 11	5.09	12.99	162.43
BURAKK	53 26.18	13 0.40	0.06	50.0	14 0.44		13.09		00.0	-		1.54		10 3.17	70 1.85		1.29	153 4.37	SC 65 38
EP (& MANB	8.53	4,38 0,13	.66 . 0.02	0.30	47 0.14	2.83 0.09	0.00	0.00	08 0.68	55 0.83	10.68 0.50	21 0.42	12.61 0.54	01 1 10	0.70	87 0.98	38 0.54	1	25 50
VED 7.ALE	58.50 281.85	0.42	0.10	0 80.0	2.36	0.00	2.83 0	8 60.0	0.29 13.0	0.51 54.5	0.34	0.30	0.47 12	1.75 41.69	0.77 29.6	1.10 41.87	0.68 21.38	5.31 53.2	75.80 501.2
JAKA 6.SV	36,28	0.60	0.15	0.16	00:00	2.36	4.47	0.14	D. 11	0.81	0.53	0.47	0.71	2.67	1.19	1.79	1.12	7.72	7 05 01 1
LDAMA 2 ALNA 3 ZABA 4 QUEN 5 DARA 6.5 WED	8.48	0.05	0.02	000	0.16	80.0	0.30	10.0	0.03	0.06	0.03	0.03	50.0	0.20	60.0	0.13	80.0	0.62	10.01
3.ZABA 4	£2 0£	0.15	00.0	200	\$10	01:0	99.0	0.02	90.0	6.13	0.07	90.0	0.00	0.52	0.21	0.30	6:0	2.10	35 04
 2 ALNA	75.53	00:00 i	0.15	50:0 - 0:02	09.0	2.0 5.42	82.7	3 0.13	0.40	7 0.84	11-0	0.36	185.0	3 4.75	191 7	181	1.04	5.30	40 XX 40
LDAMA	000	69.59	30.29	8.50	85.13	\$8.62	282 25	8.53	26.21	53.27	20.38	25.89	10.03	213.33	86.62	.121.36	74 :9	149 16	1 358 76
AKEA NAME	1 DAMASCUS	2 ALNABEK	3 ZABADANI	4 OUENNETRA	SDARAA	6 SWEDA	7 ALEPPO	* MANBEG	9 RAKKAH	10 IDLEB	1 HASAKAH	12 KAMESILE	13 DERALZOR	14 HOMS	15 HAMA	16 LATTAKIA	7 TARTOUS	18 INTERNATIONAL	TOTAL

Si-S-2 Traffic Matrix cuniterl.> (Long Distance Call, 2000)

14.HOMS 15.HAMA 16.LATT 17.TART 18.	52.34 68.03 348.30 142.87 192.00 117.54 255.50 2	(3) [1]3 [153] [12.08 4.13 4.46 2.56 [11.30 [188.13	0.10 0.41 0.18 0.27 0.17 1.08	1.63 5.86 2.64 3.81 2.40 14.11		11 86.10 61.91 83.791 42.83 97.44 1,082.06	2,16 1,39 1,87 1,03 2,79 46,58	3.93 4.69 2.63	13.59 21.38 9.57 23.32	2,71 3,71 2,18 7,79 111,29	9.67 \$.18 3.08! 8.45 140.79	4.77 6.00 3.48 11.28 161.13	60.78 35.77 18.131 53.88 673.0	0.00 23.47 10.80 29.52 368.96	23.47 0.00 57.77 38.95 486.66		29.52 38.95 20.81 0:00 602.45	486.84 297.26! 602.45 7.
14.HOMS 15.HAMA 16.LATT 17.TART 18.	52.34 68.03 348.30 142.87 192.00 117.53 2	1.13 1.53 12.08 4.13 4.46 2.56	0.10 0.41 0.18 0.27 0.17	1.63 5.86 2.64 3.81 2.40	3,78 1.67 2.30 1.42	86.10 61.91 83.791 42.83	1.39 1.87 1.03	3.93 4.69 2.63	13.59 21.38 9.57	3,71 2,18	3.18	6.00 3.48	181 12 12 12	23.47 10.80	0.00	000 11.15	38.95 20.81	486.84 297.26!
14.HOMS 15.HAMA 16.LATT	52,341 68,03 348,30 142,87 192,00	0.35 0.45 3.64 4.13 4.46	0.10 0.41 0.18 0.27	1.63 5.86 2.64 3.81	3,78 1.67 2.30	86.10 61.91 83.791	1.39	3.93	13.59 21.38	3.71	5.18	00.9	35.77	23.47	000	LL LS	38.95	486.84
14.HOMS 15.HAMA 16.LATT	52.34 68.03 348.30 142.87 19	1.13 1.53 12.08 4.13	0.10	1.63 5.86 2.64	3,78 1.67	16.19 01.98	1.39	3.93	13.59					7				4
7	52.34 68.03 348.30 74	0.35 0.45 3.55	0.10	1.63 5.86	3.78	86.10				2.71	3.67	4.77	87.09	00.0	23.47	10.79	29.52	369.06
7	52.34 68.03 3	1.13 1.53	0.10	1.63			2.16	6.65	ýc	L							1	
	52.74	1.13			1.05	11		l	16.96	4.83	6.53	8.72	00.0	08.09	32.35	18.14	53.88	673.55
13.DERA	S.		800		ı	27.11	1,11	6.44	3.67	7.67	8.17	00:0	8.72	t. 77	90.9	3.48	11.28	161.20
	17.X3.	⊙l⊽		1,29	080	23.55	1.03	4.01	3.14	18,06	00.0	8.17	6.53	3.67	5.18	3.08	8.45	140.83
	ı	0.83	500	0.92	0.58	17.39	0.78	3.44	2.29	00:0	18,06	7.67	4.83	2.71	3.71	2.18	7.79	111.31
10,IDLE	6.5	2,()0	0.11	1.68	1.04	105.75	1,54	3.28	00.0	2.29	3,14	3.67	16.95	13,59	21.38	9.57	23.32	291.54
9.RAKK	70.5	500	900	86:0	0.63	27.47	1.36	000	3.29	3,44	101	6.44	6.65	3.93	4,69	2.63	8:31	118.72
8.MANB 9.RAKK		15.0	0.02	li	0.18	17.31	0.00	1.36	1.54	0.78	1.03	1,11	2.16	Ś: 1	1.87	1.03	2.79	46.58
7.ALEP	<u>۔</u>	2 - 2	Ö	9.82	6.10	0.00	17.31			17.40	23.55	27.11	86.	61.93	83	42.84	9.54	1,082.67
CEWED	1000	· 5	0.17	5.41	00.00	6,111	0.13	0.63	1.04	0.58	080	1.05	3.78	1.67	2.30	2.401.42 42.	7.6	136.32 1.082.
S.DARA	1	1.03	0.36	0.00	15,41	683	0.30	86.0	1.68	0.02	1.29	1.63	5.86	2.64	181		11.11	201.61
TONEN		0.12	l	0.36	0,17	0.64	0.02	0.06	0.11	0.05	80'0	01'0	0.41	1.040.18	0.27	0.17	1.08	18.05
3ZABA	7	16.0		0.80	0.50	3.23	60'0	0.20	85.0	0.25	0.35	0.45	12.08 2.54		1.43	0.88	8 34	39.06
73		300		1.63	1.13	11.14	16,0	1.03	2.00	0.83	1.13	1.53		4,13	4,47	2.56	11.30	188,36
1.DAMA	0.0X	111.85	14.13	147,70	\$3.82	460.48	13.30	43.48	81.58	37.79	\$2.28	67.96	347.85	142.73	0x 161	117.41	255.50	2,322.77
T DAMASCITE	1 DAMASCUS	2 ALNABEK 2 7 A RADANI	4 OUENNETRA	SIDARAA	6 SWEDA	7 ALEPPO	SMANBEG	ORAKKAH	10 IDLEB	11 HASAKAH	12 KAMESILE	13 DERALZOR	14 HOMS	15 HAMA.	16 LATTAKIA	17 TARTOUS	18 INTERNATIONAL	TOTAL

S1-5-2 Traffic Matrix cunitierl.> (Long Distance Call, 2005)

TOTAL	2.408.80	207.74	60.00	0.00	2 2	216.88	146.43	1,142,65	\$2.36	53.55	313 60	3000	11/33	153.43	173.31	773 03	20. 200	10.000	523.74	319.04	81.879	705112	50000000
18.INTE	274.87	12.46	100	i c	2	15,18	10.25	7. K	3 14	300	200	20:07	×.2.×	9.21	12.13	CO CX	76.15	6,10	3	22.40	000	31 017	040010
17 TART 1	126.23	2.83		*	0.0	2.59	1.53	ş		200	20.7	10.51	2.30	3.37	3.75	19.01	t (\$0.1	62.281	800	رئ رد د	73004	34.45
16 LATT 1	206.13	100 *		1,53	0.30	4.11	34.0	8000	0, 0	3 3	900	23.03	3.01	99 5	47.4	0.00	18,23	22.28	0.00	62.28	\$	7.1.4	37.3.74
HAMA	153.20	100	7,7	1.1	0.20	2.85	180	C 3 44	7 .	0.	4.76	14.63	2.86	401	6 12		4	000	25.28	11 63	20.00	5,11	18.065
A HOMS 15 HAMA	322.63	1	ç,	2.73	0.45	6.32	107	3	6.0	2.52	7.17	18.26	3	7 14	0,	?	000	45.44	28.53	10.44	00	7675	723.04
3 DEPA 112	1		Q/.	87.0	110	١ ٦٨	-		23.12	(2)	6.94	3,95	×0×	200		000	0 30	5.13	97.9	2 751		17.131	173.31
O VANE	L.	607/e	1.27	0.38	000	-	000	1000	0/.67	×	4.39	3,43	19.33	5	VY.	y Co	7.14	4.01	\$ 66	22.2		9.21	153.43
J DASA 17	1	.,,,,	060	0.26	200	200	1,2,0	10.0	18.28	9×0	3.63	2.42	000	20.01		SOS.	8	2.86	3.01	1000	2,30	8.23	117.53
1 3 101 01	4	t z	2.214	0.62	0.12	6	101	77.	3	1.73	3.54	000	241			3.95	18.26	14,63	23.03)		10.31	25.091	313.60
L		ç/ ç	1.14	0.31	0.07		GN:	200	20.56	1.531	0.00	3.54	3.63		?	6.94	7.17	4,24	8		, X.7	8,05	127.87
9	S.MA.NB VKARA	70.73	0.36	0.10	50,0	20.0	: 3	0.21	5 4	0.00	1.53	1.73	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		×-	1.25	2.43	1.56	٠, ١		=	3.14	\$2.36
Ţ,	Ţ	493.57	12.29	111	02.0	2/3/	10.01		00.0	10.44	29.56	113.66		19.67	25.70	29.12	87.26	66.52		TOTAL STATE OF THE PARTY OF THE	8,5	104.64	1,162.66
	6.SWED	- 107.31	1.25	0.53			3	000	6.56	0.21	0.67	112	140		XX O	1.13	4.07	0%	,	5	1.53	10.25	146,43
	SDARA	159.00	-	48 0	20.0	?	Į	7 <u>7</u>	10.57	0.33	8	l		١	1.41	1.76	6,32	2.85	l		2.59	5.18	216.88
	T OO EL	15.58	0.14	8		l			0.70	0.02	200		l		000	0,11	0.45	0.00		ı	0.19	1,19	68'61
	3 ZABA	124.65	300				0.86	0.53	3,44	01:0	0.31	640	ı	۱	0.38	0.48	2.73		ľ	١	0.04	18.87	147.90
	1 DAMA 2 ALNA 3 ZABA 4 QUEN S DARA 6 SWED	0 145.53	000	On C				1 1.25	6 12.29	4 0.36	4	L		1	5 1.27	1.70	13.36	4 57			3 2.83	7 12,46	6 207.74
		00.0	145 52	123.66		80.01	158.00	107.31	493,56	14.04	35.76	27.63		34.0	57.05	73.00	373.61	152.30		Q.	126.23	274.87	2,49X,X6
	AREA NAME	1 DAMASCUS	2 AT NABEK	27.040.00	SCABADAM	COUENNETRA	SIDARAA	6 SWEDA	7 ALEPPO	8 MANBEG	OPAKKAH	97 101 01	9000	HASAKAH	12 KAMESJLE	13 DERALZOR	14 HOMS	15 55 1/4	WIND C	16 LATTAKIA	17 TARTOUS	18 INTERNATIONAL	TOTAL

S1-5-2 Traffic Matrix cunitierl.> (Long Distance Call, 2010)

SEAST TO BE Mains Auniterly) Demander 1990s	undient.>.D	STUDBERS TO	Ē														-																١
Converted to the property of t		1	1,000	100	1.00	18.5	1	17. A. K.		PARTICIONO DE BARZ DE BAG	1.8ABZ	T a	IS-NEWA	IN TALL	7.00014	18-HAKS 19	9-DARY 20-	20.KATA 21.	ASSESSED TO	11. W. 14.	A+5 3414-15	PACKA 15.KESW	KOUS-S. Wes		TALKE BY ALTO		DA WELL	20	AAL C	29 SEHN NUKOKA JUZAMA WAKA MBABE MINITER	1 41		APRO-TOTAL
			,	1, 99	100	97.17	34.30	12.00		١,	86.11	MTO.	13.50	38.1	20.3%	27.20	23.46	HT.	18.00	11.6	988	7	H	310	3	300	- twe	181	25.00	1	3	1	
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S1-5-2 Traffic Matrix <unit:erl.> (Alnabek, 1996)

A L CENTER NAME 1 A	Z.A.A.	2 YABR	3.KOTT	4.DERA	5.JERO	6.MALL	7.EINT	8.KARR 9.MANU	9.MANU	10.TS	TOTAL
1 ALNABEK	80.40	7.27	32.94	17.57	21.47	7.29	4.01	22.64	51.22	22.78	267.61
2 YABROD	7.71		13.59	77.7	10.24	4.26	1.47	5.07	23.56	10,20	119.86
3 КОТТЕРЕН	31.68	12.33	32.40	5.85	8.54	2.32	0.59	0.82	4.44	9.18	108.14
4 DERATTIAH	20.65	8.59	6.95	32.40	5.32	1.85	1.03	11.06	10.97	9.18	108.00
SJEROD	21.50	10.64	19.9	6.35	33.60	4.00	2.07	2.14	15.52	9.52	112.02
6 MALLOLA	7.27		1.81	5.19	3.98	12.00	0.38	0.78	3.80	3.40	40.02
7 EINTENEH	3.96		0.45	1.21	2.04	0.38	6.00	0.40	2.37	1.70	20.01
8 KARRA	21.67		19.0	12.61	2.05	0.75	0.39	22.80	3.72	6.46	76.09
9 ALL MANUAL	50.38	24.04	178	12.86	15.24	3.75	2.36	3.82	56.40	15.98	188.24
10 TS	22.78	10.20	81.6	9.18	9.52	3.40	1.70	6.46	15.98	0.00	88.40
TOTAL	268.00	120.00	108.00	108.00	112.00	40.00	20.00	76.00	188.00	88.40	1.128.40

S1-5-2 Traffic Matrix <unit:erl.> (Alnabek, 2000)

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TOTAL	451.73	263.85	164.05	179.95	207.93	55.99			732.45	188.36	2404 36
10.TS	38.42	22.44	13.94	15.30	17.68	4.76	1.70	11.90	62.22	0.00	75 991
9.MANU	165.45	101.16	23.77	46.37	69.28	14.44	6.04	23.67	219.60	62.22	722 00
SJERO 6.MALL 7.EINT 8.KARR 9.MANU	28.42	8.46	1.71	18.17	3.72	1.15	0.39	42.00	24.08	11.90	77001
7.EINT	2.04	66.0	0.49	89.0	1.45	0.23	6.00	0.39	6.02	1.70	0000
6.MALL	5.54	4.30	2.92	1.84	4.20	16.80	0.23	1.12	14.29	4.76	1
S JERO	19.21	12.18	12.66	6.23	62.40	4.19	1.44	3.61	68.40	17.68	~~~
4.DERA	13.97	8.21	7.71	\$4.00	86.9	2.05	0.76	19.74	51.28	15.30	000
3.KOTT	36.87	20.22	49.20	10.18	10.32	2.38	0.40	1.35	19.14	13.94	00 77.
ALNA 2.YABR 3.KOTT 4.DERA	6.20	79.20	17.42	9.58	12.53	4.41	1.01	8.45	102.76	22.44	00 470
1.ALNA	135.60	6.68	34.23	17.61	19.37	5.57	2.03	27.81	164.67	38.42	VV 434
CENTER NAME	ALNABEK	2 YABROD	3 КОТТЕРЕН	4 DERATTIAH	SIEROD	6 MALLOLA	EINTENEH	8 KARRA	9 ALL MANUAL	TS	
i —	1=	5	<u>~</u>	14	등	16	H	8	6	ļ	1

S1-5-2 Traffic Matrix <unitienl.> (Alnabek, 2005)

TOTAL	484.37	292.22	171.94	192.07	228.11	56.01	20.01	151.96	847.31	207.74	2651.74
10.TS	41.14	24.82	14.62	16.32	19.38	4.76	1.70	12.92	72.08	0.00	207.74
9.MANU	187.52	118.38	28.38	53.88	81.87			29.12	C	72.08	848.00
7.EINT 8.KARR 9.MANU	28.87	8.87	1.83	18.91	3.93	1.13	0.38	45.60	29.55	12.92	152.00
7.EINT	1.83	0.92	0.47	0.63	1.36	0.20	9.00	0.38	6.53	1.70	20.00
6.MALL	5.02	4.02	2.79	1.70	3.97	16.80	0.20	1.10	15.64	4.76	56.00
5.JERO	18.77	12.29	13.03	6.24	68.40	3.96	1.34	3.82	80.76	19.38	228.00
4.DERA	13.31	80.8	7.73	27.60	6.93	1.89	69.0	20.42	59.03	16.32	192.00
3.KOTT	36.72	20.79	51.60	10.39	10.72	2.29	0.38	1 46	23.03	14.62	172.00
NA 2.YABR	5.99	87.60	17.71	9.48	12.62	4.12	0.93	8.85	119.88	24.82	292.00
1.AL	145.20	6.46	33.78	16.91	18.92	5.05	1.83	28.28	186.42	41.14	484.00
CENTER NAME	1 ALNABEK	2 YABROD	3 коттенен	4 DERATTIAH	SIJEROD	6 MALLOLA	7 EINTENEH	8 KARRA	9 ALL MANUAL	10 TS	TOTAL

S1-5-2 Traffic Matrix <unit;erl.> (Alnabek, 2010)

	-	re-e-	~	~~	_		_	-	7	1	-
TOTAL	520.61	320.38	183.92	208.13	248.20	60.02	20.01	163.96	986.77	230.52	2942 52
10.TS	44.20	27.20	15.64	17.68	21.08	5.10	1.70	13.94	83.98	00.0	230.52
9.MANU	213.24	137.00	35.23	64.09	60.96	18.75	7.16	36.06	296.40	83.98	988.00
8.KARR	28.45	8.90	1.97	19.50	4.00	1.16	0.36	49.20	36.52	13.94	200.7
7 EINT				:	:	81.0					
6.MALL				- 1		18.00					:
S.JERO				Ė		3.86	:				
4.DERA	12.52	7.73	7.94	62.40	6.73	1.85	0.62	20.91	19.69	17.68	208.00
3.KOTT		١. ١				2.39					
2.YABR	5.52	00.96	17.83	9.15	12.01	3.96	0.83	68.8	138.62	27.20	320.00
1.ALNA	156.00	5.97	33.48	16.06	17.73	4.77	1.59	27.96	212.23	44.20	520.00
CENTER NAME 1.AI	ALNABEK	2 YABROD	3 КОТТЕРЕН	4 DERATTIAH	JEROD	6 MALLOLA	EINTENEH	8 KARRA	9 ALL MANUAL	0 TS	TOTAL
		7	3	4	۸.	γ	7	∞	ণ	္	-

\$1-5-2 Traffic Matrix <unitierl.> (Zabadani, 1996)

L	CENTER NAME: 1.ZABA 2.UNK!	1 ZABA	2 UNKI	3 UNK2	4 UNK3 S.MANU	S.MANU	6.TS	TOTAL
厂	ZABADANI	156.00	5.52	36.76	12.52	17.58	4.74	233.12
L_1	2 UNKNOWN-1	5.97	96.00		7.73	11.71	3.87	146.46
Ľ	UNKNOWN-2	33.48	17.83		7.94	13.32	2.88	130.64
4	111NKNOWN-3	16.06		10.88	62.40	6.11	1.69	106.29
Γ_{\sim}	S ALL MANUAL	17.73	12.01			74.40	3.87	125.81
ြင	6 TS	4.77	3.96	2.39	1.85	3.86	18.00	34 83
L.	TOTAL	234.01	144.46	137.49	69.17	126.98	35.04	777.15

\$1-5-2 Traffic Matrix <unitient.> (Zabadani, 2000)

NAME 1.ZABA 2.UNK1 3.UNK2 4.UNK3 5.MANU 6.TS TC 1.252 17.58 72.76 4.252 36.76 12.52 17.58 72.76 4.252 36.76 12.52 17.58 72.76 4.252 33.48 17.83 16.80 7.94 13.32 4.76 2.00 45.90 45.90 402.80 107.64 101.46 42.62 256.62 139.06 1.0									
256.80 5.52 36.76 12.52 17.58 72.76 5.97 49.20 21.18 7.73 11.71 13.94 33.48 17.83 16.80 7.94 13.32 4.76 16.06 9.15 10.88 6.00 6.11 1.70 17.73 12.01 11.08 6.73 162.00 45.90 72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.6		CENTER NAME	1.ZABA	2 CNKI	3.UNK2	4.UNK3	5.MANU	6.TS	TOTAL
5.97 49.20 21.18 7.73 11.71 13.94 33.48 17.83 16.80 7.94 13.32 4.76 16.06 9.15 10.88 6.00 6.11 1.70 17.73 12.01 11.08 6.73 162.00 45.90 72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.0		ZABADANI	256.80	5.52				1	401.94
33.48 17.83 16.80 7.94 13.32 4.76 16.06 9.15 10.88 6.00 6.11 1.70 17.73 12.01 11.08 6.73 162.00 45.90 72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.4	[2	UNKNOWN-1	5.97	49.20		7.73			109.73
16.06 9.15 10.88 6.00 6.11 1.70 17.73 12.01 11.08 6.73 162.00 45.90 72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.	<u></u>	UNKNOWN-2	33.48	17.83	16.80			ı	94.12
17.73 12.01 11.08 6.73 162.00 45.90 72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.2	1,4	UNKNOWN-3	16.06	9.15	10.88				49.90
72.76 13.94 4.76 1.70 45.90 0.00 402.80 107.64 101.46 42.62 256.62 139.06 1.30	\ <u>\</u>	ALL MANUAL	17.73	12.01				45.90	255.44
402.80 107.64 101.46 42.62 256.62 139.06 1	°	TS	72.76	13.94	4.76			0.00	139.06
	<u> </u>	TOTAL	402.80	107.64	101.46				1.050.20

\$1-5-2 Traffic Matrix <unitierl.> (Zabadani, 2005)

	CENTER NAME	1.ZABA	2.UNKI	3.UNK2	4 UNK3	2.UNKI 3.UNK2 4.UNK3 5.MANU	6.TS	TOTAL
	ZABADANI	264.00	5.52	36.76	12.52	17.58	74.80	411.18
[c1	UNKNOWN-1	5.97	ľ	21.18	7.73	11.71	15.30	115.89
["	UNKNOWN-2	33.48	17,83	16.80	7.94	13.32	4.76	94.12
V	4 UNKNOWN-3	16.06	9,15	10.88	(00'9	6.11	1.70	49.90
Ŝ.	SIALL MANUAL	17.73	12.01	11.08	6.73	181.20	51.34	280.08
9	6 TS	74.80	15.30	4.76	1.70	51.34	0.00	147.90
Ĺ	TOTAL	412.04	113.80	101.46	42.62	281.26	147.90	1,099.08

\$1-5-2 Traffic Matrix <unit:erl.> (Zabadani, 2010)

	CENTER NAME LABA 2 UNK! 3 UNK2 4 UNK3 5 MANU 6 TS	1.ZABA	2.UNKI	3.UNK2	4 UNK3	S.MANU		TOTAL
E	IZABADANI	273.60	5.52	36.76	12.52	17.58	77.52	423.50
2	2 UNKNOWN-1	126.5	58.80	21.18	EL'L	11.71	99.91	122.05
۲٠,	3 UNKNOWN-2	33.48	17.83	18.00	76.7	13.32	5.10	95.66
4	UNKNOWN-3	16.06	6.15	10,88	00.9			49.90
<u> </u>	SALL MANUAL	17.73	12.01	11.08	6.73	196.80	55.76	300.10
œ.	61 TS	77.52	16.66		1.70	55.76	00.0	156.74
	TOTAL	424.36	119.96	103.00	42.62	301.28	156.74	1,147.96

\$1-5-2 Traffic Matrix <unit:erl.> (Quennetra, 1996)

132.80	10.40	43.20	14.40	64.80	TOTAL	
10.40	0.00	3.67	1.22	5.51	4 TS	_
46.53	3.67	12.96	00.00	29.89	3 ALL MANUAL	
15.51	1.22	00.0	4.32	96.6	2 JOBATTA	
60.36	5.51	26.56	8.85	19.44	1 QUENNETRA	
TOTAL	4.TS	3.MANU	2.JOBA	1.QUEN	CENTER NAME 1.QUEN 2.JOBA 3.MANU	

\$1-5-2 Traffic Matrix <unit:erl.> (Quennetra, 2000)

CENTER NAME	OUEN	2.JOBA	2.JOBA 3.MAMU	4.TS	TOTAL
1 QUENNETRA	23.76	6.13	43.51	6.73	80.13
2 JOBATTA	6.11	10.80	16.27	3.06	36.24
3 ALL MANUAL	42.60	16:01	29.16	8.26	96.03
4 TS	6.73	3.06	8.26	0.00	18.05
TOTAL	79.20	36.00	97.20	18.05	230.45

\$1-5-2 Traffic Matrix <unit:erl.> (Quennetra, 2005)

CENTER NAME LOUEN	1.OUEN	2.JOBA	2 JOBA 3 MANU	4 TS	4 TS TOTAL
1 QUENNETRA	24.84	2.48	50.4	48.7	84.79
2 JOBATTA	2.47	10.80	20.41	3.06	36.74
3 ALL MANUAL	48.45	19.66	34.56	9.79	112.47
4 TS	7 04	3.06	9.79	00.0	19.89
TOTAL	82.80	36.00	115.20	19.89	253.89

S1-5-2 Traffic Matrix <unit:erl.> (Quennetra, 2010)

CENTER NAME 1. QUEN 2. JOBA 3. MANU 4.TS	1.QUEN	2 JOBA	3.MANU	4.TS	TOTAL
IQUENNETRA	25.92	2.70	51.11	7.34	87.08
2 JOBATTA	2.70	12.96	24.17	3.67	43.50
3 ALL MANUAL	50.44	23.87	36.72	10.40	121.43
4 TS	7.34	3.67	10.40	00.0	21.42
TOTAL	86.40	43.20	122.40	21.42	273.42

\$1-5-2 Traffic Matrix <unit:erl.> (Daraa, 1996)

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CENTER NAME	'AME	1.DARA	1.DARA 2.EZRA 3.NAWA 4.SHAY	3.NAWA	$\overline{}$	5.TAFF	6.DAEL	7 JASS	8.KAZZ 9.ALHR	9.AL.HR	10.SANA	11 BOSR	12 MANU	3.15	IOIAL
IDARAA		224.96	7.05	24.89	15.17	10.77	24.06	21.37	14.78	16.58	17.30	15.61	115.47	48.93	556.93
2 EZRAE		8.76		6.07	3.96	3.04	2.19	0.84	1.39	0.94	1.1.1	1.97	2.34	4.52	53.08
3 NAWA		26.89	5.27	20.52	2.23	1.89	0.37	2.13	0.78	0.34	98.0	0.58	1.32	5.81	68.99
4 SHAYKE MASKEEN	SKEEN	19.48	4.09	2.58	15.96	1.31	0.18	0.78	0.76	0.56	0.69	0.73	1.94	4.52	53.57
STAFFAS		12.32	3.07	1.50		11.40	3.47	0.24	0.15	0.14	0.16	0.15	0.73	3.23	38.19
6 DAEL		26.18	2.07	0.34	0.20	3.33	15.96	0.16	0.11	0.12	0.12	0.11	09:0	4.52	53.83
7 JASSEN		20.33	1.08	2.37	1.35	0.46	0.31	15.96	1.38	0.59	1.80	1.05	2.35	4.52	53.54
8 KAZZALEH		13.88	1 78	0.85	1.29	0.28	0.22	1.36	13.68	0.64	3.37	2.52	2.02	3.88	45.77
9 ALHRAK		15.90	1.22	0.38	76.0	0.26	0.23	0.59	0.65	12.54	29.0	0.87	4.20	3.55	42.04
10 SANAMEN		16.40	1 43	26:0	1.20	0.31	0.24	1.80	3.40	99.0	14.82	2.01	2.23	4.20	49.63
11 BOSRA		14.64	2.51	40.0	1.24	0.28	0.22	1.03	2.52	0.85	1.99	13.68	2.34	3.88	45.82
12 ALL MANUAL	۔ لا	113.72	3.14	1.51	3,48	1.44	1.23	2,43	2.12	4.31	2.32	2.46	66.12	18.73	223.02
13 TS	}	48.93	4.52	5.81	4.52	3.23	4.52	4.52	3.88	3.55	4.20	3.88	18.73	0.00	110.30
TOTAL		562.40	53.20	68.40	53.20	38.00	53.20	53.20	45.60	41.80	49.40	45.60	220.40	110.30	1.394.70

\$1-5-2 Traffic Matrix <unit:erl.> (Daraa, 2000)

Τ,	្ល	88	፫	8	8	1	7.	8	਼	Ç	8	3	91	81
TOTAL	838.80	79.88	144 17	83.58	75.98	83.37	72.21	60.82	57.10	87.42	76.03	692.82	201.61	2,553.81
13.TS	72.73	6.78	12.27	7.11	6.46	7.11	6.14	5.17	4.84	7.43	6.46	59.11	0.00	201.61
12.MANU	299.55	10.98	15.06	13.41	6.56	5.80	13.35	10.67	19.58	16.70	16.01	208.62	59.11	695.40
11.BOSR 1	12.06	2.75	1.98	1.49	0.39	0.33	1.77	3.96	1.21	4.47	22.80	16.31	97.9	76.00
10.SANA 1	14.75	1.70	3.21	1.57	0.49	0.38	3.37	5.85	1.02	26.22	4.46	16.95	7.43	87.40
9. ALHR	8.83	06.0	0.79	0.79	0.25	0.23	89:0	0.69	17.10	1.01	1.20	19.68	4.84	57.00
8.KAZZ	8.84	1.50	2.05	1.21	0.31	0.25	1.80	18.24	0.70	5.88	3.96	10.88	5.17	08.09
7.JASS	13.88	86.0	6.10	1.35	0.54	0.38	21.66	1.80	0.69	3.37	1.76	13.55	6.14	72.20
6.DAEL	22.28	3.66	1.49	0.46	11.14	25.08	0.63	0.42	0.39	69.0	0.55	12.6	11.7	83.60
S.TAFF	8.92	4.54	6.88	2.89	22.80	10.24	0.83	0.47	0.39	0.75	09.0	10.24	6.46	76.00
1.DARA 2.EZRA 3.NAWA 4.SHAY S.TAFF	9.46	4.46	6.11	25	3.53	0.46	1.82	1,62	1.09	2.15	2.04	18.62	7.11	83.60
3.NAWA	29.81	13.12	43.32	8.22	6.24	1.50	6.21	2.08	0.81	3.27	2.01	15.54	12.27	144.40
2.EZRA	3.29	23.94	10.81	5.07	4.96	3.59	1.10	1.69	1.02	1.92	3.08	12.55	6.78	79.80
1.DARA	334.40	4.56	34.08	14.95	12.31	28.03	12.83	8.14	8.24	13.63	11.11	281.00	72.73	836.00
CENTER NAME	1 DARAA	2 EZRAE	3 NAWA	4 SHAYKE MASKEEN	SITAFFAS	6 DAEL	7 JASSEN	8 KAZZALEH	9 ALHRAK	10 SANAMEN	11 BOSRA	12 ALL MANUAL	13 TS	TOTAL

\$1-5-2 Traffic Matrix <unitient.> (Daraa, 2005)

*****	1 DARA	1 DARA 2 EZRA 3 NAWA 4 SHAY	3.NAWA		STAFF	6.DAEL	7.JASS	S.KAZZ 9.ALHR		10.SANA	11.BOSR	11.BOSR 12.MANU 13.TS		TOTAL
LOAKAA	352.64	3.45	31.26	9.92	8.96	23.81	- 14.13	80.6	8.99	14.84	12.82	327.72	76.70	894.32
2 EZRAE	4.76	26.22	14.45	4.91	4 79	4.11	1.05	1.62	96.0	1.80	3.07	12.62	7.43	87.79
3 NAWA	35.27	11.82	46.74	6.67	7.20	1.66	6.46	2.19	0.84	3.36	2.19	17.14	13.24	154.78
4 SHAYKE MASKEEN	15.59	5.59	9.04	27.36	3.05	0.51	1.44	1.30	0.84	1.66	1.67	15.38	7.75	91.16
SITAFFAS	12.29	5.24	6.57	3.72	23.94	11.95	0.55	0.32	0.26	0.49	0.42	7.21	6.78	79.72
6 DAEL	29.54	4.00	1.66	0.52	10.01	27.36	0.41	0.28	0.25	0.41	0.37	6.72	7.75	90.17
7 JASSEN	12.91	1.17	6.58	1.95	0.84	89.0	22.80	1.87	0.71	3.43	1.90	14.78	6.46	76.09
8 KAZZALEH	8.27	1.81	2.22	1.76	0.49	0.46	1.87	19.38	0.72	6.01	4.30	11.92	5.49	64.69
9 ALHRAK	8.34	1.09	98.0	1.16	0,40	0.42	0.72	0.73	18:24	1.05	1.31	21.79	5.17	61.29
10 SANAMEN	13.56	2.01	3.43	2.26	0.75	29.0	3.43	¥0.9	1.03	27.36	4.76	18.28	7.75	91.33
11 BOSRA	11.68	3.42	2.23	2.26	1900	0.62	1.90	4.30	1.29	4.74	25.08	18.52	7.11	83.78
12 ALL MANUAL	300.006	14.15	17.50	20.96	11.05	11.21	14.81	11.99	21.51	18.31	18.61	230.28	65.25	755.68
13 TS	76.70	7.43	13.24	7.75	6.78	7.75	6.46	5.49	5.17	7.75	7.11	65.25	00.0	216.88
TOTAL	881.60	87.40	155.80	91.20	108'62	91.20	76.00	64.60	08.09	91.20	83.60	767.60	216.88	2.747.68

\$1-5-2 Traffic Matrix <unitient.> (Daraa, 2010)

CENTER NAME 1.DARA 2.EZRA 3.NAWA 4.SHA)	1.DARA	2.EZRA	3.NAWA		5.TAFF	6.DAEL	7.JASS	8.KAZZ	8.KAZZ 9.ALHR	10.SANA	11.BOSR	11.BOSR 12.MANU	13.TS	TOTAL
1 DARAA	372.40	3.01	30.78	8.70	8.41	22.07	12.76	8.31	2.89	13.91	11.49	351.83	81.00	932.54
2 EZRAE	4.28	27.36	15.34	4.65	4.84	4.10	1.02	1.60	16.0	1.82	2.96	14.61	7.75	91.25
3 NAWA	35.93	12.60	51.30	7.16	8.26	1.88	7.13	2.45	06.0	3.85	2.41	22.50	14.53	170.89
4 SHAYKE MASKEEN	14.36	5.39	9.83	28.50	3.16	0.52	1.43	1.31	0.82	1.72	1.65	18.25	8.07	95.01
STAFFAS	12.18	5.43	7.69	3.88	26.22	13.17	0.59	0.35	0.27	0.55	0.45	9.20	7.43	87.39
6 DAEL	29.18	4.13	1.94	0.54	12.12	28.50	0.44	0:30	0.26	0.45	0.39	8.55	8.07	94:89
7 JASSEN	11.87	1.13	7.15	1.89	0.87	69.0	23.94	1.89	89.0	3,55	1.88	17.50	6.78	79.82
8 KAZZALEH	69.2	1.76	2.44	1.72	0.51	0.47	1.88	20.52	0.71	6.29	4.30	14.30	5.81	68.42
9 ALHRAK	7.39	1.01	0.91	1.08	0.40	0.42	0.69	0.71	19.38	1:04	1.25	24.89	5.49	64.67
10 SANAMEN	12.92	2.01	3.86	2.26	0.81	0.72	3.54	6.31	1.04	29.64	4.88	22.44	8.40	98.83
11 BOSRA	59.01	3.26	2.40	2.17	0.65	0.62	1.87	4.30	1.24	4.86	26.22	21.75	7.43	87.44
12 ALL MANUAL	331.16	16.35	22.82	24.37	13.72	13.76	17.71	14.53	25.02	22.73	22.09	256.50	72.67	853.44
[13 TS	81.00	7.75	14.53	8.07	7.43	8.07	6.78	5.81	5.49	8.40	7.43	72.67	0.00	233.45
TOTAL	00.186	91.20	171.00	95.00	87.40	95.00	79.80	68.40	64.60	98.80	87.40	855.00	233.45	2.958.05

\$1-5-2 Traffic Matrix <unitienl > (Sweda, 1996)

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CENTER NAME	SWED	2.SHAH	3.SALK	3.SALK 4.ALOR 5.MANU	5.MANU	6.TS	TOTAL
1 SWEDA	190.00	38.62	38.27	26.85	115.54	41.32	450.61
SHAHABA	42.82	25.08	2.28	1.72		7.11	86.96
SSALKAD	42.26		20.52	0.31	1.60	5.81	72.77
ALORAYA	30.36	1.75	0.31	14.82	1.10	4.20	
S ALL MANUAL	128.24	8.77	1.20	1.51	61.56	17.44	218.73
6 TS	41.32	7.11	18.5	4.20	17.44	00.0	
TOTAL	475.00	83.60	68.40	49.40	205.20	75.89	957.49

\$1-5-2 Traffic Matrix <unitierl.> (Sweda, 2000)

CENTER NAME 1	1.SWED	SHAH.	3.SALK	4.ALQR	SWED 2.SHAH 3.SALK 4.ALQR 5.MANU 6.TS		TOTAL
1 SWEDA	325.28	43.77	42.51	30.62	309.37	70.75	822.29
2 SHAHABA	44.04	30.78	1.81	1.40	15.22		
3 SALKAD	41.01	1.73	22.80	0.24	2.87	6.46	
4 AL ORAYA	30.70	1.39	0.24	17.10		ļ	56.34
5 ALL MANUAL	301.42	16.21	2.18	2.80	160.74	45.54	528.89
6 TS	70.75	8.72		4.84	45.54	0.00	136.32
TOTAL	813.20	102.60	76.00	57.00	835.80	136.32	1,720.92

\$1-5-2 Traffic Matrix <unit:erl.> (Sweda, 2005)

	CENTER NAME 1	1.SWED	2 SHAH	3.SALK	3.SALK 4.ALQR 5.MANU	S.MANU	6.TS	TOTAL
ı¬	SWEDA	345.04	40.18	43.30	31.22	337.08	75.05	871.87
lα	SHAHABA	40.78	31.92	2.25	1.74	20.25	9.04	105.98
lw	SALKAD	41.58	2.13	23.94	0.32	4.19	6.78	
4	AL ORAYA	31.63	1 73	- 0.33	18.24	3.05	5.17	
10	ALL MANUAL	328.52	21.39	3.19	4.11	177.84	50.39	585.44
ĮΦ	6 TS	75.05		6.78	5.17	50.39	0.00	
ı	TOTAL	862.60	106.40	08.67	60.80	592.80	146.43	1.848.83

\$1-5-2 Traffic Matrix <unit:erl.> (Sweda, 2010)

CENTER NAME	1.SWED	2.SHAH	3.SALK	4.ALOR	S.MANU	6.TS	TOTAL
1 SWEDA	1		42.33		370.95	80.67	932.95
2 SHAHABA	38.97	33.06	2.41	1.84	24.40	6.37	110.04
3 SALKAD	40.81	2.26		0.35	5.18	6.78	79.33
4 AL ORAYA	31.05	1.84	0.37	18.24		5.17	60.44
	364.82			5.05	197.22	55.88	652.64
6 TS	80.67	9.37		2.17	55.88	00.0	157.86
TOTAL	927.20	110.20	79.80	08.09	657.40	157.86	1,993,26

\$1-5-2 Traffic Matrix <unit:erl.> (Aleppo. 1996)

CENTER NAME	11.AUA	2 ALSA	1.ALJA 2.ALSA 3.KANA 4.ALSO 5 HANA 6.	1 ALSO	SHANA	ALAN	ALHA.	17.ALHA KNEWA 19.ALBA	-	OSFER 1	HEFRE II	2 AEZA	3 TALR	12 AEZA 13 TALR 14 DARE 15 MANU 16 TS	S MANU!		TOTAL
I ALJAMELEHA	277.95	103.74	419.23	245.66	51.52	143.X	Z. [26.44	15	11.47	9.22	× 46	6.39	4.62	32.57	156.35	1,741,19
2 ALSABELE	19'06	79.12		21.89	1	110.22	44.03	24.27	6 12	5.43	9.38	12.74	1.44	1.87	13.40	44.50	494.29
3 KAN.ALWAZEER	426.63	28.87	145.86	18.89	48.09	31.49	80.98	6.82	2.65	2.43	2.62	2.36	1.25	0.84	22.43	82.04	909.35
4 ALSOLYMANEYEH	H 348.54	25.22	18.20	136.91	68.52	69.70	\$2.34	13.76	6.27	5.77	5.17	4.30	5.44	1,80	24.85	77.01	853.82
SHANANOW	53.55	5.46	47.34	72.73	41.28	2.29	8.37	0.45	81.0	0.16	0.17	0.16	80.0	0.06	2.84	23.22	258.35
6 ALANSARI	14.14	100.14	35.70	61.58	3,54	123.84	61.56	59.55	19.62	18.37	15.19	16.47	3.081	7.77	33.25	99 69	773.76
7 ALHAMDANEYEH	128.16	38.72	94.47	\$2.26	12.52	65.65	92.19	12.27	4.57	4.20	4.67	4.40	1.87	1.52	13.06	\$1.86	576.34
S'NEW AREA	36.58	22.07	7.73	14,21	0.70	19.65	12.69	37.82	\$ 10	4 02	60.6	7.02	29.0	1.02	6.87	21.28	236.51
9/ALBAB	68.11	5.54	8;6	4.5	0.27	19.53	4.70	5.08	34.80	88	1.36	1.07	95.0	0.62	3.43	9.86	116.00
10 SFERA	34.11	4,91	2.74	5.92	0.25	18.29	4.32	6.00	808	32.40	80.1	06.0	0.34	0.71	3.42	9.18	107.99
11 EFREEN	9.28	8.54	2.98	5.34	0.26	15.21	4.83	60.6	136	1.10	31.20	3.07	0.24	0.29	2.37	8.84	18.00
12 AEZAZ	95.8	99:	2.70	4.47	0.25	16.59	4.58	7.06	1 08	0.91	3.09	31.20	0.20	0.27	2.54	8.84	104.01
13 TAL REFAET	6.32	1.28	1.40	5.53	0.12	3.03	06	990	0.35	0.34	0.23	61.0	10.80	01'0	0.68	3.06	36.00
14 DARET EZZA	4.62	1.69	56.0	1.85	0.0	7.73	1.56	10.1	0.62	0.71	0.29	0.27	0.11	10.80	0.64	3.06	35.99
15 ALL MAMUAL	32.26	13.02	22.50	25.00	2.90	33.39	13.34	06.9	3.45	3.44	2.38	2.55	89.0	0,64	79.20	22,44	264.10
16 TS	156.35	44.50	82.04	17.01	23.22	99.69	51.86	21.28	98.6	9.18	8.84	8.84	3.06	3.06	22.44	00'0	591.21
TOTAL	1.737.20	05 767	611.60	855.70	258.00	774,00	576.20	236.50	116.00	108.00	104.00	104.00	36.00	36.00	264.00	591.21	7.202.91

S1-5-2 Traffic Matrix <unit:erl.> (Aleppo, 2000)

289.65 147.90 413.61 1 126.75 201.58 69.42 201.58 69.42 201.58 69.42 201.58 20.56 1 20.58 20.56 1 20.58 20.56 20.58 20.5											Ī	
EER 424.23 83.08 272.45 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		75.81	160.13 88.30	9.07	8.02	4.48	3.86	4.82	3.33	49.89	162.93	1,810.07
EER 424.23 83.08 272.45 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	L.	164.99	151.86 230.22	13.27	10.78	12.95	16.51	3.07	3.83	58.31	113.39	1,259.98
EYEH 196.62 41.18 20.56 12 211.75 62.52 374.94 35 212.75 62.52 374.94 35 212.75 37.84 212.15 37.84 212.15 37.84 212.15 37.84 212.85 212.85 21.96 2.89 2.79 2.10 2.79 2.79 2.10 2.79 2.79 2.79 2.79 2.79 2.79 2.70 2.70 2.70 2.70 2.70 2.70 2.70 2.70	20,94	33.51	211.06 45.95	4 08	3,43	2.57	2.18	1.61	1.22	98 69	153.25	1,703,12
EYEH 151.75 62.52 374.94 35 EYEH 151.37 132.35 273.46 6 88.42 212.53 51.53 6 9.03 12.18 4.55 7 7.98 9.89 3.82 7 4.49 11.96 2.89 3.82 7 3.89 15.34 2.46 6 3.89 3.82 7 3.89 15.34 2.46 7 3.89 3.82 7 3.89 3.82 7 3.89 3.82 7 3.89 3.82 7 3.89 3.82 7 3.89 3.83 7 3.89 15.34 2.46 7 3.89 3.83 7 3.89 15.34 2.46 7 3.89 3.83 7 3.89 3.83 7 3.89 3.83 7 3.89 3.83 7 3.89 3.89 3.80 7 3.89 7 3.	167.87 302.26	36.04	72.80 52.64	5.48	4.62	2.88	2.25	4.70	1.48	43.60	94 43	1,049,41
EYEH 151.37 132.35 37.54 3 88.42 212.53 51.53 61.53 61.53 61.53 61.53 61.53 61.53 61.53 61.53 61.53 61.53 61.53 61.54 61	320.59 237.36	69.6	81.62 12.15	1.08	0.92	0.66	0.58	0.47	0.35	34.95	133.51	1,483.14
EYEH 151.37 132.35 223.46 ¢ 88.42 212.53 51.53 ¢ 9.03 12.18 4.55 6 7.98 9.89 3.82 6 4.49 11.96 2.89 6 3.89 15.34 2.46 6 4.74 2.79 2.10 6 3.31 3.51 1.36	36.04 14.53	152.74	79.69 211.97	15.95	13.70	7.87	8.00	2.47	5.96	\$4.29	16:58	954.64
88.42 212.53 51.53 5 9.03 12.18 4.55 7.98 9.89 3.82 4.49 11.96 2.89 3.89 15.34 2.46 4.74 2.79 2.10 3.31 3.51 1.36	68.81 115.66	75.32	201.58 98.28	8.35	7.05	24.2	4.81	3.38	2.61	47.96	113 36	1,259.84
9.03 12.18 4.55 7.98 9.89 3.82 4.49 11.96 2.89 3.89 15.34 2.46 4.74 2.79 2.10 3.31 3.51 1.36	52.69 18.24	212.20	104.11 195.39	56.29	10,91	29.82	19:12	3.42	4.95	71.07	16.601	1,221,21
7.98 9.89 3.82 4.49 11.96 2.89 3.89 15.34 2.46 4.74 2.79 2.10 3.31 3.51 1.36	1.61	15.88	8.80 26.15	50.40	8.70	1.02	0.75	0.41	69.0	8.10	14.28	168.01
4.49 11.96 2.89 3.89 15.34 2.46 4.74 2.79 2.10 3.31 3.51 1.36	4.59	13.63	7.42 18.89	69.8	42,00	0.75	0.58	0.36	0,72	7.40	11.90	140.00
3.89 15.34 2.46 4.74 2.79 2.10 3.31 3.51 1.36	2.88 0.98	7.88	5.77 29.84	1.02	0.76	36.00	1.38	0.18	0.21	3.57	10.20	120.01
474 279 210 3.31 3.51 1.36	2.26 0.87	8.07	5.13 21.75	97.0	65 0	1.38	32.40	0.14	0.18	3.59	9.18	108.00
3.31 3.51 1.36	4.63 0.69	2.44	3.52 3.37	0.41	0.36	0.17	0.14	13.20	0.11	1 58	3.74	44.00
	1.47 0.52	5.92	2.75 4.91	69.0	0.72	0.20	0.18	0.12	13.20	1,41	3.74	44.00
[5] ALL MAMUAL 49.29[57.56] 68.85] 42.58	42.58 34.61	54.59	50.25 71.48	8.17	7.47	3.59	3.60	1.60	1.43	222.00	62,90	739.98
16 TS 162.93 113.39 153.25 94.43	94.43 133.51	16'58	16,601 68,811	14.28	11.90	10.20	9.18	3.74	3.74	62.90	00'0	1,082,67
TOTAL 1.810.30 1.259.90 1.702.80 1.049.20 1.483.50	1.049.20 1.483.50	1. 09756 -	05 122 1 06 652	168.00	140,00	120.00	108.00	44.00	17 (%)	740 00	.082.67	1.082.67 13.188.07

S1-5-2 Traffic Matrix <unit:erl.> (Aleppo, 2005)

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NIII 16 TS TOTAL	1	25.45	63.96 125.00 1.588.92	73.711 164.86 1.831.87	43.89 97.52 1.083.64		132.07	70'XX	52.20 123.84 1.375.99	81,471 124,231 1,380,30	00 081 180 00	03 4	١	3.60 10.54 124.00	3 51 08 00	72.0	7 6	5.74	237.60 67.32 792.(X)	67.32 0.00 1.162.66	10
12 TAT DITA DAPE 15 MANIE			3.95	1.22		ł		3,86	2.68 5.	534 8		١	0.71	0.20		1	0,11	13.20	1.43 23	3,74	***
12 TAT D 1 14	1 200	4 X	3.20	1.92	1.40	Ć 1.	0.52	2.371	3 49	3.72	3	0.42	0.36	210	0.12	0.10	13.20	0.11[1 62	3.74	
1 4 5 7 7 4 1	12.ACCA	3.53	5 16.65	2 13				(2) 7.43	511 4.82	27 00			0.56	1201 127	ç			191 0.16	52 3.53	81.6	
L	1	7.89 4.22	11.68 13.45	260 250		4.39	1.07 0.73	13.67 7.52	19.5	27 27		9.14	44.40	0.75 - 37.00	l		0.36 0.16	0.71 0.19	7.86 3.62	12.58 10.54	
ľ	9.ALBA 10.31	9.02	14.55	ŀ	4.33	S.C.C	1.26	16.09	Q() 5			\$.00	9.14	1 03	577.1	0.75	0.41	69.0	8.70		
	S.NEWA 9.	94.64	272 10	63.63	22.02	57.05	15,32	230.53	115.20	Ľ		29.96	- 	100.00	١	22.93	3.66	5.30	81 00		
- 1	N 7.ALHA	54 163.30	X7.071 107	ľ	1	42 75.14	96.79 37	55 82.47		Ì	-	02 0.59	8.00			49 5.15	33 3.65	62 2.82	ľ		
	NNA 6.ALA	216,19 71.5	171	י ני	?	333.25 34.4	270.38 10.7	16.06	7.		.052 06.77	1.88 16.0	1 58 137	1	`	0.94	0.76 2.	0.58	1	8	
	4.ALSO S.HANA 6.ALA	177.86 21			`	173.38 32	353.53	34.27			36.91	5,46	4.55		2.74	2.09	4.40	1 30		Ţ	
	3.KANA 4	410.07]	06.67	7	20.63	437.46	27 77	ľ	1	58.881	4.82	401		2.90	2.40	2.11		F	ľ	
	2 ALSA 3 KANA	151 82		1	1	11 42.78	75.52		Ĺ	1	251.44	7 13.37	10.73		2 12.43	5 15.49	7 291		ľ		
:	ALIALIA	4-	,,,,,,		420.74	12.32	23130	71 42			94.59	8.97	12.7	Ċ.	4.22	3.55	4.47	3	Coo	140.97	2
	CENTER NAME	1 AT TAMET SHA	CHARLES TO	ZALSABELE	3 KAN-ALWAZEER	7	WONAWA	CAN AND ADI	OALASARI	//ALHAMDANETER	SINEW AREA	OALBAB	10,0000	MOTERA	11 EFREEN	12 AEZAZ	12 TAI REEAET	14 10 A DET C77 A	14 DANG 1040	SALL MAMUAL	Č

\$1-5-2 Traffic Matrix <unitierl.> (Aleppo, 2010)

								L	L	1 0333 01	1 5505	17 A EVA	13 TALR	14 DARE 15 MANU	ンマイン		TOTAL T
CENTER NAME	- AUA.	2.ALSA	S.KANA	4.ALSO	ANY	S.ALAN	ALHA	S.VEWA	4	1.07	4	_	į.		0	30 331	1 026 04
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	36 506	157.00	A07 05:	166.44	23.28	67.34	165.47	101.51	8.91	7.72]	3.96	3.22	4.07	3.1X	57.53	0	
I ALLAWELEAN	30.047	71,0	07 Co	20 24 24 20 20 20 20 20 20 20 20 20 20 20 20 20	07 07	197.20	1	22002	1577	12.55	13.861	16.69	3.61	4.43	69.74	137.38	1.526.52
ZIALSABELE	90.741	77.747	60.26	50.25	03.00	00.77		7.7.7.7	30	1000	107.0	3000	2 1:1	1 23	C7 8L	177.63	1.973.78
3 KAN-ALWAZEER	417.88	\$ 65	315.79	21.01	502.90	34.05	249.55	60.44	4.3X	3.1/1	7.00	7.70	4.7	,			30,000
SOMEON SAN TO TAKE	[:	44.181	20.72	178 88	363.78	32 22	77.03	61.95	5.51	4.55	2.60	1.92	4.67	1.45	1.1	100.001	1.118.(2)
4 ALSOLI MANELLE				205 04	27.000	10 11	ı۰	71 01	1 46	1 32	080	0.66	0.62	0.46	47.40	171.83	1.839.10
SHANANOW	07.057	25.50	14,000	10.000	203.47				1		2	607	210	20.5	21.55	01 33	101481
6 ALANSARI	60.79	163.86	37.97	32.48	17.55	162.37	\$ 64	250.43	16 10	5. X	c /	0.07	72.7	0.0	20.00	107.601	02 307
TAY HAMDANEVED	Š	165.22	26.195	71.87	161.97	69 62	239.42	134.59	9.77	808	5.73	4.791	3.9.	2.97	39.43	Š	, CX
O TOTAL A DE A		Ĺ	CF 63		C> 8C	25077	143 11	240 74	34 35	24.33	35.07	24.01	4.42	6.29	93.41	140.48	1,560.50
SINEW AREA	05,101	1	1	1	20.07	17,007	1000		07 60	150	- 65	0.72	0.46	0.75	01.6	16.32	192,00
9 ALBAB	8.84	14.50	X0.C	5.4.5	2.15	16.03	[0.53]	¢. 10	27.00	7.0.7			02.0	720	8 14	12.24	1860
A SEEDA	297	11.54	4.19	4.49	1.80	13.48	8,54	24.18	9.50	46.80	0.74	200	0.39	(7.70)	6	7	2000
	20.6	12 62	100	2 50	31.	7 15	01.9	36.08	1 ()3	0.74	38.40	. 18	0.17	0.20	3.61	10.88	128.00
LIEFKEEN		ı	l	l	01.7	01.7	6.	37.7	7	330	2. 1	32 40	0.13	0.17	3.43	81.6	108.00
12 AEZAZ	3.24	Ž,	7.75	76.1	3	6.92	2.03	74.17	7/11	7.55	1	0. 0	(V V V	C1 (1 75	NO T	18 (X)
13 TAL REFAET	4.58	3.28	2.32	4.56	160	2.43	4.03	4.34	0.45	0.39	/ 'C	0.15	1	7.7	5 0		000
14 OADET E77A	2 14	4 (%	1.48	1.43	0.68	S X	3.14	6.24	0.75	0.76	0.20	0.16	0.12	107.7		XO 7	(X) (X)
	09 57	80.08	27.50	36 07	105 40	55.53	50.47	00, 70	01.0	8 23	3.64	3.45	7.	Ş	254 40	72 OX	S.X.Y
15 ALL MANUAL	61.04	ı			60 101	7.5	13.7		1000	130 21	10 XX	81.0	NOT	807	72.08	1000	1,249,08
16 TS	(0).20		50.771	14A1.02		,	1,44,0X	41.45	70.01	+			100	ANT OF	12.717	NO (NT.)	1000
TOTAL	01.836.10	1,526.50	1.973.70	1,526.50 1,973.70 1,118.00 1,909.20 1,01	1.909.20	1.014.80	1,496,40	06.095,1	(00,261	156,00	128.00	(0) (X)	141	10 10 t	240.00		

\$1-5-2 Traffic Matrix <unit:erl.> (Manbeg, 1996)

21.04
14.40
48.00

\$1-5-2 Traffic Matrix <unit:erl.> (Manbeg, 2000)

S.TS TOTAL	15.30 180.46	12.58 148.09	11.22 131.65	7.48 87.79	0.00 46.58	46.58 594.58
	28.17		4.60	26.40	7.48	88.00
3.EINA (4.MANU)	44.92	31.77	39.60	67'7	11.22	132.00
2.JARA	38.08	44.40	31.63	21.32	12.58	148.00
1.MANB	54.00	37.98	44.61	28.11	15.30	180.00
CENTER NAME 1.MANB	1 MANBEG	2 JARABLOS	3 EIN ALARAB	4 ALL MANUAL	S TS	TOTAL

S1-5-2 Traffic Matrix <unit:erl.> (Manbeg, 2005)

	CENTER NAME 1	1.MANB	2.JARA	3.EINA	4.MANU	S.TS	TOTAL
_	MANBEG	57.60	40.21	46.93	30.98	16.32	192.03
_	2 JARABLOS	40.19	51.60	38.42	27.18	14.62	172.01
	EIN ALARAB	46.83	38.36	44.40	5.80	12.58	147.97
_	TYNNYM TTY	31.06	27.21	5.67	31.20	8.84	103.98
_	TS	16.32	14.62	12.58	8.84	00.0	52.36
	TOTAL	192.00	172.00	148.00	104.00	52.36	98.36

\$1-5-2 Traffic Matrix <unit:erl.> (Manbeg, 2010)

CENTER NAME 1. MANB	1.MANB	2.JARA	3.EINA	3.EINA 4.MANU	5.TS	TOTAL
1 MANBEG	61.20	39.78	49.39	36.34	17.34	204.05
2 JARABLOS	39.77	87.60	43.81	34.54	16.32	192.04
3 EIN ALARAB	49.26	43.71	49.20	7.84	13.94	163.95
4 ALL MANUAL	36.44	34.58	79.7	38.40	10.88	127.96
S TS	17.34	16.32	13.94	10.88	0.00	58.48
TOTAL	204.00	192.00	164.00	128.00	58.48	746.48

S1-5-2 Traffic Matrix <unit:erl.> (Rakkah, 1996)

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NAME 1 RAKK 2 TALA 3.ALTH 4.MANU 5.TS 7 H 202.16 37.96 42.33 30.16 43.97 YATH 38.97 13.68 2.41 1.84 3.88 DWRAH 40.81 2.26 19.38 0.35 5.49 NUAL 31.05 1.84 0.37 31.92 9.04 356.96 59.62 69.98 73.31 62.38								
202.16 37.96 42.33 30.16 43.97 3 38.97 13.68 2.41 1.84 3.88 40.81 2.26 19.38 0.35 5.49 31.05 1.84 0.37 31.92 9.04 43.97 3.88 5.49 9.04 0.00 356.96 59.62 69.98 73.31 62.38 6		CENTER NAME	1 RAKK	2 TALA	3.ALTH	4.MANU	5.TS	TOTAL
38.97 13.68 2.41 1.84 3.88 4 0.81 2.26 19.38 0.35 5.49 31.05 1.84 0.37 31.92 9.04 43.97 3.88 5.49 9.04 0.00 356,96 59.62 69.98 73.31 62.38 6		RAKKAH	202.16	37.96	42.33	30.16	43.97	356.58
40.81 2.26 19.38 0.35 5.49 31.05 1.84 0.37 31.92 9.04 43.97 3.88 5.49 9.04 0.00 356.96 59.62 69.98 73.31 62.38 6	C.3	TAL ABYATH	38.97			1.84	3.88	60.78
31.05 1.84 0.37 31.92 9.04 43.97 3.88 5.49 9.04 0.00 356.96 59.62 69.98 73.31 62.38 6	3	ALTHAOWRAH	40.81				5.49	
43.97 3.88 5.49 9.04 0.00 356.96 59.62 69.98 73.31 62.38 6	4	ALL MANUAL	31.05				_	74.22
356,96 59.62 69.98 73.31 62.38	10	TS	43.97	3.88			0.00	62.38
		TOTAL	356.96				62.38	622.25

\$1-5-2 Traffic Matrix <unit:erl.> (Rakkah, 2000)

CENTER NAME 1.RAKK	1.RAKK	2 TALA	3.ALTH	2.TALA 3.ALTH 4.MANU	S.T.S	TOTAL
RAKKAH	358.72	37.96	42.33	30.16	78.02	547.19
TAL ABYATH	38.97	22.80			6.46	72.48
AL THAOWRAH	40.81	2.26	51.30	0.35	14.53	109.26
ALL MANUAL		1.84	0.37	75 69	19.70	122.50
TS	78.02	6.46	14.53	19.70	0.00	118.72
TOTAL	547.57	71.33	110.94	121.59	118.72	970.15

\$1-5-2 Traffic Matrix <unit:erl.> (Rakkah, 2005)

The Co	CENTER NAME 1. RAKK 2. TALA 3. ALTH 4. MANU	LRAKK	2 TALA	3.ALTH	4.MANU	S.TS	TOTAL
	1 RAKKAH	380.00	37.96	42.33	30.16	82.65	
-	2 TAL ABYATH	38.97	23.94	2.41	1.84	6.78	73.94
	3 ALTHAOWRAH	40.81	2.26	57.00	0.35	16.15	116.57
	4 ALL MANUAL	31.05	1.84	0.37	78.66	22.29	134.21
	STS	82.65	6.78	16.15	22.29	0.00	127.87
	TOTAL	573.48	72.79	118.26	133.29	127.87	1.025.69

S1-5-2 Traffic Matrix <unit:erl.> (Rakkah, 2010)

CENTER NAME LRAKK	1.RAKK	2.TALA 3.ALTH 4 MANU	3.ALTH	4 MANU	S.TS	TOTAL
RAKKAH	408.88	37.96	42.33	30.16	88 93	608.26
2 TAL ABYATH	38.97	26.22	2.41	1.84	7.43	76.87
3 ALTHAOWRAH	40.81	2.26	62.70	0.35	17.76	123.89
4 ALL MANUAL	31.05	1,84	0.37	83.22	23.58	140.06
STS	88.03	7.43	17.76	23.58	00.0	137.70
TOTAL	608.64	75.72	125.57	139.15	137.70	1,086.78

S1-5-2 Traffic Matrix <unit:erl.> (Idleb. 1996)

CENTER NAME	1.1DLE	2.JESS	2.JESS 3.HARE 4.ALDA 5.K(ALDA S)FE	6.ARIE	ZELK	S.MAER	9.MISR	SFLK RMAFR 9.MISR 10.SRAKIT.KANSI2.NOBG	KANSI	2.NOBGI	13.BENSI4.MAN	t.MANU	15.TS	TOTAL
IDLEB	185.44	43.82	14.41	18:00	17.42	15.75	21.40	24.29	11.82	11.61	6.59	2.44	14.16	36.10	40.33	463.60
JESSR.SHKOUR	38.33	38.33 63.84	0.93	1.24	1 65	13.17	7.80	24.34	6.64	6.00	7.32	4.01	3.47	15.97	18.09	212.80
HAREM	14.77	1.09	10.26	0.00	1 45	0.31	1.25	95.0	0.23	0.22	0.17	90.0	0.25	0.59	2.91	34.20
4 ALDANA	18.39	1.45	0.09	15.96	3.15	0.89	1.16	1.72	0.85	0.79	0.50	0.17	1.5	1.6.1	4.52	53.20
SIKOFER-TAKARIEM	18.39	2.04	1.44	3.36	13.68	0.22	1.20	0.37	0.16	0.15	0.11	0.04	0.15	0.42)	3.88	45.60
6 ARIEHA	16.25	12.28	0.36	0.93	0.35	41.04	2.90	15.88	5.66	5.40	3.15	1.38	1.98	17.61	11.63	136.80
SELKIEN	21.64	7.12	1.41	1.19	1.84	2.84	26.22	4.91	1.98	1.85	1.45	0.55	1.81	5.15	7.43	87.40
8 MAERT ALNEAMAN	25.11	22.73	0.65	1.80	0.58	15.91	5.02	67.26	12.36	9.93	15.84	4.93	3.63	19.39	19.06	224.20
9 MAERT MISRIEN	12.15	6.17	0.27	0.88	0.24	5.64	2.01	12.29	38.76	21.52	2.55	0.81	2.08	12.83	10.98	129.20
10 SRAKEB	11.94	5.57	0.25	0.83	0.23	5.38	1.89	9.88	21.51	37.62	2.10	0.70	2.02	14.83	10.66	125.40
11 KAN SHEKHON	6.83	6.84	0.19	0.53	0.17	3.16	1.49	15.85	2.57	2.12	22.80	1.68	1.00	4.31	6.46	76:00
12 KOFER-NOBOEL	2.54	3.77	0.07	0.18	90.0	1.39	0.57	4.96	0.82	0.71	1.69	9.12	2,5	1.62	2.58	30.40
13 BENSH	14.42	3.20	0.28	1.70	0.23	1.96	1.82	3.58	2.06	2.01	86.0	0.33	18.24	4.82	5.17	08:09
14 ALL MANUAL	37.07	14.81	0.67	1.99	99.0	17.52	5.23	19.25	12.80	14.81	4.28	1.60	4.86	66.12	18.73	220.40
15/TS	40.33	18.09	2.91	4.52	3.88	11.63	7.43	90.61	10.98	10.66	6.46	2.58	5.17	18.73	0.00	162.43
TOTAL	463.60 212.80	212.80	34.20	53.20	45.60	136.80	87.40	224.20	129.20	125.40	76.00	30.40	60.80	220.40	162.43	2,062,43

\$1-5-2 Traffic Matrix <unit:erl > (Idleb, 2000)

CENTER NAME	1.IDLE	2.JESS	2.JESS 3.HARE 4.ALDA 5.K(LALDA	E C	6.ARIE	7.SELK 8 MAER 9.MISR	8.MAER	9.MISR II	10.SRAKI	1 KANSI2 NOBO13 BENSIA MANI	NOBO	S BENSE	4 MANU	1STS	TOTAL
1 IDLEB	297.92	48.92	20.10	19.69	4.82	28.80	24.01	25.32	17.45	16.38		3.34	33.67	103.53	08.48	744.82
2 JESSR SHKOUR	41.97	83.22	1.05	1.10	1.90	19.50	7.09	20.55	7.94	6.85	14.44	4.45	69.9	37.07	23.58	277,40
3 HAREM	20.70	1.26	14.82	0.10	2.14	0.58	1.45	09.0	0.36	0.32	0.42	0.09	0.61	1.74	4.20	49.40
4 ALDANA	20.15	1.31	0.10	19.38	3.64	1.32	1.05	1.45	1.0.1	0.91	0.99	0.19	3.17	4 44	5.49	\$ 60
S KOFER-TAKARIEM	26.49	2.43	2.14	3.91	19.38	0.43	4.	0.41	0.24	0.22	0.28	0.08	0.38	1 291	5.49	64.60
6 ARIEHA	26 32	18.30	99.0	1.36	99.0	90.06	4.35	22.11	11.16	10.17	10.25	2.52	6.29	67.44	25.52	300.20
7 SELKIEN	24.09	6.55	1.62	1.07	2.16	4.28	33.06	4.21	2.40	2.15	2.92	0.62	3.55	12.16	9.37	110.20
8 MAERT ALNEAMAN	25.84	19.30	0.69	1.50	0.63	22.14	4.29	88.92	13.89	10.66	29.34	5.14	6.57	42.30	25.19	296.40
9 MAERT MISRIEN	17.75	7.44	0.41	- 1.04	0.37	11.14	4.4	13.84	68.40	32.79	6.72	1.20	5.35	39.72	19.38	228.00
10 SRAKEB	16.66	6.41	0.36	0.93	0.34	10.15	2.18	10.62	32.78	66.12	5.28	66.0	4.97	43.87	18.73	220.40
11 KAN SHEKHON	16.40	13.58	0.48	1.03	0.42	10.27	2.97	29.37	6.75	5.31	57.00	4.09	4.21	21.98	16.15	190.001
12 KOFER-NOBOEL	3.42	4.19	0.10	0.19	60.0	2.53	0.64	5.16	1.21	0.99	4.10	13.68	08.0	4.62	3.88	45.60
13 BENSH	34.06	6.23	69.0	3.24	85.0	6.24	3.57	6.52	5.33	4 94	4.17	0.79	49.02	24.13	13.89	163.40
14 ALL MANUAL	105.20	34.69	1.97	4.57	1.96	67.24	12.32	42.12	39.69	43.84	21.87	4.59	24.24	197.22	55.88	65739
15 TS	64.80	23.58	4.20	5.49	5.49	25.52	9.37	25.19	19.38	18.73	16.15	3.88	13.89	55.88	000	291.54
TOTAL	744.80	277.40	49.40	64.60 64.	64.60	300.20	110.20	296.40	228.00	220.40	190.00	45.60	163.40	657.40	291 54 3	3 703 94

\$1-5-2 Traffic Matrix <unit:erl.> (Idleb, 2005)

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15.TS TOTAL	68.76 790.40	24.55 288.80	4.20 49.40	5 40 64.60		1	1	1	26.16 307.80	20.67 243.20	20.03 235.60	200 000 35 65	1		15.50 182.40	62.98 741.00	0.00 313.60	313.60 3.984.40
1.MANU	116.06	40.79	1.87	472	7/1	3	78.06	13.37	46.11	44.63	49.22	00 90	25.90	4.91	28.59	222.30	62.98	741.00
3.BENSI	36.93	7.20	75.0	2 70	5.27	0.43	7.12	3.80	7.01	5.89	\$ 45	70.	4.80	0.83	54.72	28.71	15.50	182.40
2.NOBG	3.29	4.29	800	0.17	7	0.0	2.56	0.60	4.91	1.19	0.97		4.22	13.68	0.82	4.87	3.88	45.60
A A PIE 17 SEI K 18 MAFR 9 MISR 110 SRAKI 11 KANSI 2 NOBO 13. BENSI 4. MANU	17.53	15.47	4	1 03	20.1	0.31	11.55	3.12	31.14	7.35	5 77		62.70	4.24	4.81	25.77	17.76	209.00
OSRAK	17.03	669	0.37	200	06.0	0.24	10.92	2.19	10.77	34.15	1	35.5	5.79	0.98	5.43	49.20	20.03	235.60
9 MISE	18.16	2 2	0.36	2	3	0.26	11.99	2.45	14.06	72.96	34 14	74.4	7.38	1.20	5.86	44.60	20.67	243.20
SMAFR	75.57	20.36	35.0	0 0	45.1	0.42	23.05	4.17	92.34		١		31.16	4.93	96.9	45.93	26.16	307.80
7 CELK	24.43	20.6		١	1.01	1.50	4.57	34.20	424	L		l	3.17	0.61	3.83		69.6	114.00
E A DIE	38 05	20.00	40.00	20.2	1.34	0.48	99.18	4.50	23.08	11 07	00 01	١	11.57	2.57	7.08	1	28.10	°
Ų	3		٠ ا	֓֟֟֓֟֓֓֓֓֓֓֓֓֓֓֓֓֟֓֓֓֟֓֓֓֓֓֓֟֓֓֓֓֟֓֓֓	3.67	20.52	0.72	2.25	0.65				0.47	0.00	0.65	[]		64.60 68.40
47.74	10.27	10.61	200	20.0	19.38]	3.95	1.38	1.03	l	1 02		0.92	1.06	0.18	3.37			l
2 HABE A ATDA & VO	30 O		1.02	75.57	0.09	2.18	0.68	1.58		1		0.30	0.50	60.0	0.72		ŀ	'
COULT	2000	77.70	1000		 	2.55	19.28	6.55		1		0.55	14.56	4.05	L	Ľ		1
1 121	1.101.5	210.10	C/77	20.20	19.83	28.20	3143	24.40	ı	ı	C#-01	[7.79]	17.88	3 36	37 34	117.83	92.89	790 40
	CENTERNAME	I IDLEB	ZJESSKINHOOK	3 HAREM	4 ALDANA	S KOFER-TAKARIEM	6 ARIFHA	7 CEI KIEN	O MANDET AT NEAMAN	MARKET ALL MINES	Y WAEK I MISKIES	10 SRAKEB	11 KAN SHEKHON	12 KOFFR-NOROFI	PACKET IN THE PA	ATT MANITAL	14 75	TOTAL

\$1-5-2 Traffic Matrix <unit:erl.> (Idleb, 2010)

Constitution of the state of th	1 222 5	3324	V TTA DE A	A 7 7 4	VOICE IX	ADIE 17	9 7 133 L	S MASTER O MIST		OSRAKI	1 KANA1	NOBOL	3.BENS	10 SRAMII KANAIZ NOBOIS BENSIA MANIIS TS		TOTAL
CENTER NAME	1.1005	7722	LUCE LUESS STANG FALDA JANFE GANE		7 7 7 4	1	-1-				0000	2 62	100.00	126 66	73 30	13 618
1 IDI.58	337.4	51.19	21.45	20.34	27.811	33.28	25.00	26.33	19.50	18.113	25.57	5.55	70.07	00.03		
2 IFSSE SHKOIIR	43.76	90.06	1.07	1.09	202	21.52	7.04	20.40	8.38	7.23	16.64	4.48	7.66	43.31	25.52	300.50
2 HAREM	22 11	1 20	15.96	0.10	235	99.0	1.48	0.61	0.39	0.35	0.50	0.09	0.72	2.08	4.52	53.20
AATDANA	20.83	130	0.10	20 52	3.86	44.	S.	1.43	1.06	0.95	1.13	61.0	3.59	5.14	5.81	68.40
SIKOFER, TAKARIEM	29.76	2.62	2.35	4.15	21.66	0.51	1.52	0.44	0.28	0.25	0.34	90.0	0.47	1.62	6.14	72.20
A ABIEHA	33.84	20.22	0.75	1.48	0.78	108.30	4.78	24.28	13.03	11.88	13.07	2.81	7.97	87.13	30.68	361.00
7 SET KIEK	20.20	659	1.65	1.05	231	4.71	35.34	4.17	2.53	2.27	3.35	0.63	4.04	14.17	10.01	117.80
S WAERT AT NEAMAN		19.19	0.70	1.47	0.67	24.31	4.24	06.96	14.59	11.20	33.66	5.16	7.49	49.16	27.45	323.00
OMARDTMICRIEN	,	7.87	4	8	0.47	13.01	2 56	14.55	78.66	36.63	8.20	1.29	6.49	49.12	22.29	262.20
10 00 4 000	18 38	× 2×	0%	860	0 38	11.85	230	11 16	36.62	76.38	44.9	1.05	6.02	54.23	21.64	254.60
10 SKANED	10.76	15.67	0.57	17.0	0.50	13.00	3.41	33.68	8.23	6.47	69.54	4.76	5.57	29.66	19.70	231.80
12 KOEER-NOBOEL	3,61	4.23	0.10	0.19	0.10	2.82	200	5.17	1.29	1.06	4.77	14.82	0.92	5.46	4.20	49.40
13 pence	40.81		0.83	3.67		7 02	4 07	7.43	6.46	5.99	5.53	0.91	60.42	32.38	17.12	201.40
12 BEINGH	128 47		2.35	5.28		06 98	14.35	48 98	49.08	54.20	29.53	5.42	32.51	243.96	69.12	813.19
14 mc	77.39		4.52	5.81	6.14	30.68	10 01	27.45	22.29	21.64	19.70	4.20	17.12	69.12	00.0	337.61
TOTAL	843.60	'	53.20	68.40	72.20	361.00	117.80	323.00	262.20	254.60	231.80	49.40	201.40	813.20	337.61	4.289.61

\$1-5-2 Traffic Matrix <unit:erl.> (Tartous, 1996)

TOTAL	838.06	225.98	289.07	87.80	67.51	19.95	143.83	255.81	165.54	2,093.54
9.TS	72.38	88.61	24.82	7.48	5.78	1.70	12.24	21.76	0.00	165.54
MANU	64.97	17.18	11.02	29.17	8.09	1.48	25.54	76.80	21.76	256.00
MASH 8	34.94	8.27	5.35	8.00	4.26	1.44	43.20	26.29	12.24	144.00
S.SHEA 6.ERWA 7.MASH 8.MANU	7.88	1.00	1,16	0.39	78 .0	00.9	0.50	0.53	1.70	20.00
S.SHEA (38.25	00.00	00.0	00.0	20.40	0.89	0.91	1.77	5.78	68.00
4.DREA	37.10	0.01	0.02	26.40	00.0	69.0	3.43	12.88	7.48	88.00
3.SAFE	146.85	0.15	87.60	0.01	00.0	0.83	10.17	21.57	24.82	292.00
2.BANY	102.88	68.40	0.15	0.00	0.00	0.71	11.62	24.85	19.38	228.00
1.TART	332.80	111.59	158.94	16.34	28.13	6.21	36.23	69.37	72.38	832.00
CENTER NAME 1.TART 2.BANY 3.SAFE 4.DREA	1 TARTOUS	2 BANYAS	3 SAFETTA	4 DREAKESH	SHEAKBADOE	6 ERWAD	7 MASHTA	8 ALL MANUAL	ST 6	TOTAL

S1-5-2 Traffic Matrix <unit:erl.> (Tartous, 2000)

r an	~~		6	~	~	~~			re-	1
TOTAL	1.570.99	394.66	463.72	115.90	72.38	24.08	184.18	633.99	297.26	3.757.26
9.TS	137 46	33.32	39.10	98.6	6.12	2.04	15.64	53.72	00:00	297.26
8.MANU	231.63	35.97	21.12	44.67	10.56	2.54	42.20	189.60	53.72	632.00
7.MASH	50.76	7.06	4.18	4.99	2.27	1.01	55.20 42.20	42.89	15.64	184.00
6.ERWA	11.20	0.83	0.88	0.24	44.0	7.20	0.45 0.33	0.84	2.04	24.00
S.SHEA	41.22	00.0	00.0	00.0	21.60	0.46	0.45	2.14	6.12	72.00
4.DREA	49.48	00.0	0.01	34.80	00.0	0.44	2.12	19.28	98.6	116.00
3.SAFE	235.68	0.14	138.00	0.01	0.00	0.64	7.56	38.87	39.10	460.00
1.TART 2.BANY	181.57	117.60	0.14	00.0	00.0	0.61	9.51	49.24	33.32	392.00
							51.17	237.40	137.46	1.580.00
CENTER NAME	TARTOUS	2 BANYAS	SAFETTA	4 DREAKESH	SHEAKBADOE	6 ERWAD	7 MASHTA	8 ALL MANUAL	ST 6	TOTAL

\$1-5-2 Traffic Matrix <unit:erl.> (Tartous, 2005)

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Section 2	-			_	-	-	-	~~~		200
TOTAL	1.699.19	420.23	488.32	119.99	72.03	24.01	188.01	712.21	319.94	4.043.94
9.TS	147.90	35.70	41.48	10.20	6.12	2.04	15.98	60.52	00:00	319.94
MANU.	270.70	39.35	22.86	47.11	10.80	2.64	44.42	213.60	60.52	712.00
MASH 8	52.22	6.80	3.98	4.64	2.04	0.93	56.40	45.01	15.98	188.00
S.SHEA 6.ERWA 7.MASH 8.MANU	11.36	0.79	0.83	0.22	0.39	7.20	0.30	0.87	2.04	24.00
S.SHEA	41.27	0.00	00.0	00.0	21.60	0.41	0.41	2.19	6.12	72.00
4.DREA	51.10	0.00	0.01	36.00	0.00	0.41	1.97	20.31	10.20	120.00
3.SAFE	250.07	0.14	146.40	0.01	00.0	0.61	7.23	42.06	41.48	488.00
2.BANY	194.58	126.00	0.14	00.0	00.0	0.58	9.18	53.82	35.70	420.00
1.TART	080.089	211.44	272.62	21.83	31.07	9.20	52.13	273.82	147.90	1,700,00
CENTER NAME		2 BANYAS	3 SAFETTA	4 DREAKESH	SHEAKBADOEI	6 ERWAD	7 MASHTA	8 ALL MANUAL	9TS	TOTAL

S1-5-2 Traffic Matrix <unit:erl > (Tartous, 2010)

	THE.	*	NAME OF	E/E/		tat has	-	o Canada	-	-
TOTAL	1.	Ì	1				196.02			4.352.36
9.TS	-		;				16.66			344.36
-							46.59	234.00	66.30	780.00
7.MASH	55.20	6.87	0.79 3.98	4.52	1.92	0.88	58.80			Γ
6.ERWA	11.49	0.76	0.79	0.20	0.35	7.20	0.28			
S.SHEA	41.3	0.0	0.0	Ŏ.O	21.6	0.3	0.3			
4.DREA					00.0	0.38	1.91	20.91	10.54	124.00
S.SAFE	267.28	ł	156.00			1	7.21			520.00
2.BANY	210.33	135.60	0.15	00.0	00.0	0.56	9.26	57.68	38.42	452.00
	736.00	228.19					54.92	306.57	160.08	1.840.00
CENTER NAMBITART	TARTOUS	2 BANYAS	3 SAFETTA	4 DREAKESH	SHEAKBADOE	6 ERWAD	7 MASHTA	8 ALL MANUAL		TOTAL

S1-5-2 Traffic Matrix <unit:erl.> (Lattakia, 1996)

CENTER NAME	LLATT	LLATT 2.TESH 3.AZRA	3.AZRA	4.RAEE	5.ALHA	6.SLON	7.KERD	8 KASA	9.JABL	10.ALDA	11.BEAT	II.BEAT 12.MANU	13.TS	TOTAL
1 LATTAKIA	368.00	196.54	26.07	08 2	36.97	14.51	31.28	14.79	113.06	18.44	1.14	13.29	80.04	921.92
2 TESHREEN	228.68	280.00	0.05	00.0	00:0	3.47	14.01	7.40	52.34	17.62	2.44	31.50	60.90	698.41
3 AL SHATEA AL AZRA	28.35	0.05	18.00	00.0	00.0	0.35	0.79	0.41	2.88	2.01	0.13	1.75	5.10	59.81
4 RAEES AL BASEET	3.04	0.00	00'0	00'9	00.0	0.12	1.23	1.14	6.13	0.50	0.01	0.11	1.70	19.99
SALHAFEH	19.73	0.00	00.0	00.0	24.00	1.01	2,47	1.19	18.48	2.19	0 40	3.59	6.80	79.87
6 SLONFEH	78.6	1.99	0.22	0.21	1.26	12.00	1.89	0.49	3.98	1.01	0.53	3.13	3.40	39.95
7 KERDAHA	25.53	14.44	1.17	0.47	0.57	09:0	104.40	3.78	56.56	4.82	30.35	75.15	29.58	347.42
8 KASAB	12.40	7.83	0.63	0.45	0.28	0.16	3.88	25.20	14.80	1.87	10.1	8.32	7.14	83.95
9 JABLEH	105.96	61.94	4.92	2.69	4.89	1.45	64.95	16.55	144.00	10.12	6.39	15.31	40.80	479.97
10 ALDALEAH	16.76	15.20	1.83	0.62	2.49	1.12	6.12	2.34	11.49	28.80	0.26	0.87	8.16	96.06
11 BEAT YASHOT	2.04	5.21	0.16	0.01	0.32	0.31	28.63	0.46	5.18	0.13	21.60	1.96	6.12	72.14
12 ALL MANUAL	19.63	\$5.89	1.85	0.05	2.41	1.50	58.76	3.11	10.29	0.36	1.63	15.60	21.42	252.52
13 TS	80.04	06.09	5.10	1.70	6.80	3.40	29.58	7.14	40.80	8.16	6.12	21.42	0.00	271.16
TOTAL	920.00	700.00	90.09	20.00	80.00	40.00	348.00	84.00	480.00	96.00	72.00	252.00	271.16	3,423.16

\$1-5-2 Traffic Matrix <unit:enl.> (Lattakia, 2000)

CENTER NAME	1.LATT	LLATT 2.TESH	3.AZRA 4.RAEE	4.RAEE	S.ALHA	9.SLON	7.KERD	8.KASA	9.JABL	10.ALDA	11.BEAT	12.MANU	13,TS	TOTAL
1 LATTAKIA	713.60	420.56	27.31	10.05	51.84	21.74	46.11	19.56	249.46	28.91	2.30	36.02	155.21	1.782.66
2 TESHREEN	484.63	571.20	0.05	0.0	0.00	4.82	19.12	9.05	106.88	25.57	4.53	79.04	124.24	1.429.14
3 AL SHATEA AL AZRA	29.35	0.05	18.00	0.00	00.0	0.24	0.53	0.25	2.87	1.42	0.11	2.15	5.10	60.07
4 RAEES AL BASEET	60.4	00.0	0.00	7.20	0.00	0.11	1.07	68.0	7.96	0,46	0.0	0.18	2.04	24.00
SALHAFEH	28.16	00'0	00.0	0.00	32.40	0.94	2.27	0.98	25.42	2.13	0.50	6.07	9.18	108.06
6 SLONFEH	14.82	2.80	0.15	0.18	1.16	16.80	1.83	0.43	5.78	1.04	0.70	5.58	4.76	56.03
7 KERDAHA	34.89	18.44	0.73	0.36	0.48	0.54	144.00	2.98	74.50	4.51	36.43	121.60	40.80	480.27
8 KASAB	15.47	9.13	0.36	0.31	0:23	0.13	3.12	30.00	17.80	1.57	1.11	12.29	8:50	100.02
9 JABLEH	226.19	123.57	4.80	3.23	6.39	2.03	89.27	20.40	264.00	14.79	11.98	38.69	74.80	880.15
10 ALDALEAH	26.14	22.16	1.311	0.54	2.38	1.14	6.15	2.11	17.28	39.60	0.35	1.60	11.22	131.98
11 BEAT YASHOT	3.74	8:94	0.13	0.01	0.36	0.37	33.82	0.48	91.6	0.16	30.00	4.27	8.50	99.95
12 ALL MANUAL	17.71	126.91	2.06	0.07	3.59	2.39	91.92	4.36	24.10	09'0	3.47	150.00	42.50	499.68
13 TS	155.21	124.24	5.10	2.04	9.18	4.76	40.80	8.50	74.80	11.22	8.50	42.50	0.00	486.84
TOTAL	1.784.00	.784.00 1.428.00	60.00	24.00	108.00	56.00	480.00	100.00	880.00	132.00	100.00	500.00	486.84	6.138.84

\$1-5-2 Traffic Matrix <unitienl.> (Lattakia, 2005)

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PANAWE NAME	11 ATT	2 TESH 3 AZRA 4 RAEE	AZRA	`	5.ALHA	NOTS 9	7.KERD	8.KASA	9.1ABL	10.ALDA	11 BEAT 1	12.MANU	13.TS	TOTAL
1 1 ATTAKIA	09 692	454 27	27.42	4	┺	23.43	48.09	19.84	272.16	30.41	2.61	42.51	167.39	1.923.71
2 TESHBEEN	\$23.12	617.60	0.05	00.0	00.0	5.06	19.43	8.95	113.61	26.21	5.02	98.88	134.33	1.544.25
2 AT SHATFA AT AZRA		0.04	18.00	000	00.0	0.23	0.49	0.23	2.83	1.35	0.12	2.29	5.10	60.01
A RAFES AL BASEET		00.00	00.0	7.20	00.0	0.11	1.02	0.83	7.98	0.45	0.01	0.19	202	24.00
SALHAFEH	30.37	00.0	00.0	800	34.80	0.99	2.30	0.97	27.00	2.19	0.56	6.97	9.86	116.01
HEENO IN S	15.89	2.93	0.14	0 17	1.21	18.00	1.85	0.42	6.10	1.06	0.77	6.37	5.10	60.01
7 KERDAHA	35.81	18.45	0.68	0.34	0.48	0.54	151.20	2.80	75.28	4.39	38.33	132.92	42.84	504.06
S KASAP.	15.47	8 90	0.33	0.29	0.21	0.13	2.94	30.00	17.53	1.49	1.14	13.09	8.50	100.00
0 IARI FH	245 62	130.82	4.73	3.20	6.75	2.14	91.26	20.28	282.00	15.25	13.33	44.75	79.90	940.04
10 ALDALEAH	27.45	22.68	1.24	0.52	2.43	1.16	80.9	2.03	17.86	40.80	0.38	1.79	11.56	136.00
11 BEAT YASHOT	4.19	97.6	0.14	0.0	0.40	0.40	35.66	05.0	10,10	0.17	32.40	5.09	9.18	107.99
12 ALL MANUAL	55.60	14, 19	2.17	0.08	4.06	2.71	100.84	4.66	27.65	0.67	4.15	169.20	47.94	\$63.93
13 TS	167.39	134.33	5.10	2.04	98.6	5.10	42.84	8.50	79.90	11.56	9.18	47.94	0.00	523.74
TOTAL	1.924.00		00.09	24.00	116.00	00.09	504.00	100.00	940.00	136.00	108.00	564.00	523.74	6.603.74
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\$1-5-2 Traffic Matrix <unitieri.> (Lattakia, 2010)

I CENTER NAME	LATT	1 LATT 2 TESH 3 AZRA 4 RAEI	3 AZRA	[1]	SALHA	9.SLON	7.KERD	8.KASA	9.JABL	10.ALDA	11.BEAT	12.MANU	13.TS	TOTAL
1 LATTAKIA	835.20	408.93	27.53	O	57.93			20.81	298.09	32.46	2.78	46.12	181.66	2.087.93
2 TESHREEN	572.83	673.60	l	00.0	00.0		20.59	9:36	124.13	27.91	5.32	98.35	146.51	1.684.06
3 AL SHATEA AL AZRA	29.41	0.05		0.00	00:0	0.23	0.48	0.22	2.83	1.32	0.11	2.27	5.10	80.00
4 RAEES AL BASEET	4.19	00.0	00.0	7.20	0.00	11.0	1.00	08.0	8.02	0.44		0.19	2.04	24.00
SALHAFEH	31.58	00.0	0.00	0.00	36.00	1.00	2.32	96.0	28.00	2.21		7.17	10.20	120.00
6 SLONFEH	17.09	3.15	0.14	0.17	1.23	19.20	1.92	0.43	6.55	1.11	0.80	6.77	5.44	8
7 KERDAHA	37.91	19.55	99.0	0.33	0.48	0.55	158.40	2.84	79.52	4.52	39.31	139.07	44.88	528.01
8 KASAB	16.20	9.33	0.31	0.27	0.21	0.13	2.98	31.20	18.31	1.52	1.15	13.55	8.8 78.8	18.8
9 JABLEH	268.36	143.01	4.72	3.20	6.97	2.29	96,49	21.18	304.80	16.20	14.11	48.32	86.36	1.016.01
10 ALDALEAH	29.30	24.22	1.21	0.51	2.45	1.21	6.28	2.07	19.02	43.20	0.39	1.89	12.24	24 8.8
11 BEAT YASHOT	4.43	10.33	0.13	0:01	0,40	0.42	36.50	0.50	10.66	0.18	33.60	5.32	9.52	112.00
12 ALL MANUAL	98 65	155.33	2.14	80.0.	4.14	2.85	105.07	4.79	29.71	0.70	4.33	180.00	51.00	599.99
13 TS	181.66	146.51	5.10	ci	10.20	5.44	44.88	8.84	86.36	12.24	9.52	21.00	00.0	563.78
TOTAL	2.088.00	ř	90.09	24.00	120.00	64.00	528.00	104.00	1.016.00	144.00	112.00	600.00	563.78	7.107.78

\$1-5-2 Traffic Matrix <unit:erl.> (Hama, 1996)

٣		(4)	7.71	~	10			-			
TOTAL	1,078.29	213.44	149.08	152.43	156.75	40.17	80.15	44.11	373.57	196.65	2,484.65
10.TS	94.31	18.02	12.58	12.92	13.26	3.40	08.9	3.74	31.62	00.0	196.65
9.MANU	135.27	8.89	2.89	33.49	21.56	2.37	18.14	6.17	111.60	31.62	372.00
8.SORR	12.98	0.92	0.30	4.56	1.02	0.21	0.89	13.20	6.17	3.74	44.00
TALS	21.42	1.36	0.45	3.84	1.65	0.64	24.00	0.93	18.91	6.80	80.00
KAMH	20.20	69.0	0.41	0.78	1.37	12.00	0.22	80.0	98.0	3.40	40.00
S.SKEL 6.KAMH	88.84	00:0	0.00	00.0	46.80	1.50	0.37	0.24	5.00	13.26	156.00
	78.15	00:0	0.01	45.60	0.00	1.05	1.26	1.56	11.45	12.92	152.00
3.MESY 4.MHAR	82.36	0.02	44.40	0.00	0.00	0.34	0.99	0.70	6.61	12.58	148.00
2.SALA	111.17	63.60	0.02	0.00	0.00	0.56	2.19	1.54	14.89	18.02	212.00
1.HAMA	433.60	119.94	88.01	51.23	71.10	18.09	25.29	15.97	166.47	94.31	1.084.00
CENTER NAME	1 HAMA	2 SALAMMEH	3 MESYAF	4 MHARDEH	SISKELBEYEH	6 KAMHANEH	7 TAL SALHAB	8 SORRAN	9 ALL MANUAL	10 TS	TOTAL

\$1-5-2 Traffic Matrix <unit:erl.> (Hama, 2000)

	CENTER NAME	1.HAMA	2.SALA	3.MESY	3.MESY 4.MHAR	4.1	S.SKEL 6.KAMH	TALS	8.SORR 9.1	9.MANU	10.TS	TOTAL
	HAMA	780.80	272.50	101.83	132.95	116.78	21.35	17.97	15.79	330.20	169.82	1.959.99
C1	2 SALA,WMEH	295.37	168.00	0.05	0.01	0.00		2.13	2.09	40.50	47.60	557.12
3	3 MESYAF	109.15				00.0		0.36	0.35	6.64	16.32	190.89
4	4 MHARDEH	73.09	0.00			0.00		3.49	6.00	88.45	23.80	279.74
S	SKELBEYEH	80.89		0.00		63.60		1.19	1.07	45.39	18.02	211.41
9	6 KAMHANEH	17.85		0.31	-	1.48		0.40	0.20	4.33	3.74	43.88
_	7 TAL SALHAB	20.47	3.29	0.75	1.32	0.30	0.15	26.40	0.66	27.17	7.48	87.99
∞	8 SORRAN	18.56	3.33	;		0.27		0.69	19.20		5.44	63.94
6	9 ALL MANUAL	385.99	64.18			11.55		27.89	13.20	271.20	76.84	901.05
2	S	169.82	47.60	16.32	23.80	18.02	3.74	7.48	5.44	76.84	00.0	369.06
	TOTAL	1.952.00	560.00	192.00	280.00	212.00	44.00	88.00	64.00	904.00	369.06	4.665.06

S1-5-2 Traffic Matrix <unitienl.> (Hama, 2005)

TOTAL	2.085.85	615.31	199.74	299.95	219.88	43.97	88.00	63.99	1.003.30	396.87	5.016.87
10.TS	181.31	52.36	17.00	25.50	18.70	3.74	7.48	s 44	85.34	0.00	396.87
9.MANU	361.53	49.60	7.76	100.33	50.88	4.73	28.50	14.14	301.20	85.34	1,004.00
S.SORR	14.98	2.22	0.35	5.90	1.04	0.18	09:0	19.20	14.08	5.44	64.00
TALS	16.77	2.23	0.36	3.37	1.14	0.38	26.40	0.62	29:26	7.48	88.00
6.KAMH	21.00	1.49	0.43	0.91	1.25	13.20	0.14	0.07	1.77	3.74	44.00
S.SKEL 6.KAMH	119.89	00.0	0.00	0.00	00.99	1.52	0.29	0.27	13.33	18.70	220.00
4.MHAR	139.10	0.01	0.01	00.06	00.0	1.40	1.32	2.38	40.29	25.50	300.00
3.MESY 4.MHAR	104.54	0.06	60.00				0.74	1			200.00
2.SALA	293.14	184.80	0.06	0.01	00.0	1.10	3.39	3.49	77.64	52.36	616.00
1.HAMA	833.60	322.55	113.78	73.93	80.86	17.40	19.14	17.63	423.81	181.31	2.084.00
CENTER NAME	1 HAMA	2 SALAWMEH	3 MESYAF	4 MHARDEH	SISKELBEYEH	6 KAMHANEH	7 TAL SALHAB	8 SORRAN	9 ALL MANUAL	10 TS	TOTAL

\$1-5-2 Traffic Matrix <unitienl.> (Hama, 2010)

I												
	CENTER NAME 1	HAMAH.	2.SALA	3.MESY	4.MHAR	S.SKEL	6.KAMH		00	9.MANU	10.TS	TOTAL
	1 HAMA		319.80	108.30	149.30	126.11	20.92		l	393.02	194.88	2.240.49
	2 SALAMMEH	353.11	202.80	0.07	0.01	0.00	1.54				57.46	675.81
	3 MESYAF	118.30	90.0	62.40	0.01	0.00	0.42			١.	17.68	207.93
	4 MHARDEH	78.55	0.01	00.0	97.20	0.00	0.92		١,	ļ	27.54	323.99
	5 SKELBEYEH	84.35	00.0	00.00	00.0 00.0	69.60	1.24	1.11	1.08	54.87	19.72	231.97
	6 KAMHANEH	17.29	1.14	0.31	1.41	1.51	13.20		i		3.74	43.99
	7 TAL SALHAB	18.76	3.45	0.72	1.32	0.20	0.13		l	1	7.48	88.00
_	8 SORRAN	18.45	3.79	0.78	2.54	0.29	0.07		l	l	5.78	68.00
	9 ALL MANUAL	460.32	87.48	17.74	44.66	14.48	1.82				92.82	1.091.81
	10 TS	194.88	57.46	17.68	27.54	19.72	3.74			1	00.0	427.10
	TOTAL	2.240.00	676.00	208.00	324.00	232.00	44.00		ı	ŀ	427.10	5.399.10

\$1-5-2 Traffic Matrix <unit:erl.> (Homs, 1996)...

TOTAL	949.12	712.02	433,22	119.49	131.29	184.47	72.12	72.24	30.0g	68.19	56.09	264.82	40.19	24.10	136.00	192.61	373.09	3,889,09	
17.TS	82.13	62.29	37.93	10.20	11.22	15.64	6.12	6.12	5.10	5.78	4.76	22.44	3.40	2.04	81.60	16.32	000	373.091	
16.MANU	24,431	39.86	13.77	19.8	3.62	4.76	2.62	2.08	1.65	2.92	2.47	45.54	0.85	0.50	00.0	\$7.60	16.32	192.00	
TADM	00.0	0.00	0.00	0.00	000	0.00	0.00	00'0	0.00	00.0	0.00	0.00	0.00	0.00	54.40	0.00	81.60	136.00	
14.ALSO IS TADM	2.39	5.79	2.21	5.	0.33	147	0.19	0.31	0.12	0.26	₹! ()	0.79	0.22	7.20	0.00	0.53	5.05 50.1	24.00	
13.KATT 1		10.01	3.31	2.32	0.61	0.60	0,31	0.54	0.21	0.32	0.23	1.30	12.00	0,22	0.00	0.88	3.40	40.00	
_	1	33.69	11.67	20.08	22.52	7.85	9.52	5.52	14.45	2.89	6.50	79.20	1.12	69.0	00.0	8.29	22.44	264.00	
1 TALE 12 ALMA	3,6%	8 4	2.43	201	1.70	5	2.58	0.78	1.16	0.71	08'91	86.4	0.20	0.12	000	2.21	4.76	\$6.00	
TOTALR!	1_	12.36	4	5 X 3	61.1	3.76	1.05	0.87	0.50	20.40	0.77	3.34	0.30	0.23	000	2.81	5.78	00.89	
にはははいっ	4-	5 33	83	7 10	3.02	21	1.24	0.751	18.00 00.81	4	00	14.56	0.17	600	00.0	1.39	\$ 10	00:09	
MKK K ALKA		10.68	3.73	OF X	276	561	1.17	21.60	110	82.0	0.76	×7.5	0.45	0.26	000	181	6.12	72,00	
•	11	S ×	3.03	3.85	273		ľ			800	ľ	10.03			00.0			72.00	
AGIAA	3	L	Ŀ		ľ	1		0.73	L						000	.:	١.		
STAIL	10 70		ľ	1		L		l	ĺ		ŀ			:				ľ	
2 KOSC	35.35	.	١.		1	ľ						-	L	ľ			_	-	
2 AT WA	130.40	<u> </u>		1.								Ľ				Ľ		4	
AM IA C	177 65					ľ						ľ				ľ		Ľ	
1 41 633/	27.65	106 03	150 02	13.35	27.70	73.31	4.77	00.5	3	10.4	3.81	X7 X1	76.5	2.11	000	77.77	S 13	944(X)	
FORTED NAMED ALOW O AT MA 12 AT WA 2 KOSS STATE 6 AT DA 17 AT	1 AT VWATT	21 24 24 24 27 27	2 A1 WARD	A WOSSED	S TALKALAKH	K AT PASTAN	7 AI MXAPAN	S AT KADEVIEN	OCHEEN	TOTTAY BECEU	11 TAI DO	ANAN IA CI	13 KATTENE	14 AL SOONEH	15 TADMOR	16 ATT MANTIAL	27 TC	TOTAL	

S1-5-2 Traffic Matrix <unitienl.> (Homs, 2000)

	ALKW	AI MA	3 ALWA	4 KOSS	S.TALK 6	CENTER NAME : ALKW 2. ALMA 3. ALWA 4. KOSS 5. TALK 6. ALRA 7. AL		MKI 8 ALKA 5	9.SHEE	10.TALB	11, TALD	12.AL.NA	13.KATT	14.ALSO 15.TADM		I6.MANU	17.TS	TOTAL
4-	617.60	255.83	376.21	3	83.0%	21.51		! -	2.11	5.15	2.56	8.49	2.15	2.17	0.00	29.16	134.33	1.572.50
 -	264 39	491,20	 	0.14	000	\$6.68	21.21	17.82	10.77	22.75	12.42	43.48	15.15	13,491	00'0	121.87	106.84	1,206.36
 -	416.91	, 70 107.8	564.80	0.52	60.0	72.88	15.19	12.66	7.53	17.36	8.81	30.60	10.16	10.46	00.0	85.51	122.84	1 385.02
t-	10.1	70°C	0.15	03.08	000	8.02	1.7	86.01	505	4,08	4.07	21.22	2.75	1.89	00.0	20.63	17.28	165.03
SITALKALAKH	31.58	90.0	60.0	000	55.20	22.74	5.18	3.98	5.26	1.89	2.75	25.05	08.0	0.66	00'0	9.55	5.8	180 36
†-	17.08	42.86	51.39	06.61	35.50	92,40	4.29	1.78	1.23	3.78	1.87	5.52	0.50	0.56	0.00	-18.	34.18	312.77
7 ALMKARAM	3.69	25.85	23.31	3.69	78	1.22	37.20	1.14	1.45	1.13	2.68	7,14	0.27	0.26	0.00	4.65	<u>₹</u>	125.57
SALKAREYTEN	2.82	22,10		5,54	3	0.51	1.16	28.80	09.0	0.63	0.55	2.83	0.32	0.29	00.0	2.52	8.16	97.64
	1.99	13.80	12.5	2.63	1.43	0.37	1.53	0.62	22.80)	2.4.4	20.1	8.93	0.15	0.13	00:00	2,43	6.46	76.76
T	4.05	25.41	24.40	1.85	0.45	8 C	1.03	0.57	0.38	31.20	0.56	1.63	0.21	0.26	00:0	3.89	8.84	105.72
t	2.15	14.85	13.27	86.	0.70	0.52	2.63	0.53	0.93	0.59	21.60	3.53	0.15	0.14	00.0	3.17	6.12	72.87
l	7 × 1	26.91	50,42	11.29	3.9	69 1	7.67	3,93	9.12	16.1	3.86	81.60	0.65	0.57	00.0	9.42	23.12	275.98
t	19	16.16	13,65	2	0.18	0.12	0.24	82.0	0,13	0.20	0.13	0.53	16.80	0.19	00.0	0.96	4.76	57.15
14 ALSOONEH	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	14.12	13,78	0.81	0.15	0.14	0.23	0.24	0.11	0.24	0.12	0.46	61.0	15.60	0.00	0.87	14.42	53.06
	8	000	00.0	00'0	000	000	000	000	00'0	00.0	000	00'0	0.00	000	92.80	0.00	139.20	232.00
IN ALL MANUAL	22,43	133,28	117.73	9.18	2.21	2.03	4.17	2.22	2.07	3.81	2.90	7.87	0.98	0.91	00.00	147.60	41.82	501.22
1	134.33	25.82	127.X4	14.2X	15.8E	26.18	10.54	x.15	6.46	8.84	6.12	23.12	4.76	4,42	139.20	41.82	000	673.55
1	1.544,00	1.544,000 1.228.000 1.412.000	1.412.0X)	168.00	184.(X)	308.00	- 124.00	60096	76.00	104.00	72.00	272.00	26.00	52.00	232.00	492.00	673:55	7,093,55

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TOTAL	248.88	20.5 7.0	1000	1.555.17	175.02	190.83	270 67	33 651	13.2.33	1(X).53	X0.2X	108.56	ì	Ç.	273.75	75 45	1,5	e e	24×.0x)	\$67.25	773 04		11007
17.TS	142.68	1 1 2 1 3		136.421	14.96	16.32	22.00	50,7	34.11	8.50	0X.9	31.0		Q7.0	23.12	476		C 4	148.80	47.94	1000		J. 67.
S.MANU	26.46	16.6	1	107.30	23.74	11.18	7.57	/?:/	24.4	2.32	2.37	3,5%		Ξ (), (,	8,42	0.00	1.00	-1×:0	0.00	06 991	10.25	, i	(A)
15.TADM 16.MANU	800	200	(7.07)	0.00	000	000	127.0	O.O.	0.00	000	000	(20)	CLARY	0.00	000	(2)	, v., v.	000	99.20	800	300	147.3	24X,00]
1.ALSOIL	- 22		1. X. 1.	12.15	2.0	0.71		(A)	0.24	0.24	0.12	50.5	1	0.12	0.47		C1.17	16.80	000	280	3	6,7	56.00
13.KATT 14.ALSO	34		15.47	10.96	2.72	USV	00.00	14.0	0.23	0.26	0.13		/ /	0.12	05 ()	00	(XC)	0.15	00.0	1300	Ĉ	t, /5	26.00
12 ALNA! 1	1-	Corp	45.81	34.05	21.65	00.40	20.0a	4.07	6.111	2.31	777	- - -	76.1	3.00	21.60		14.0	0.38	00'0	200	/Y//	23.12	272.00!
TALD		4.44	14.08	10.55	4.17	ay c	V.V.C.	1 70	2,47	8770	0.00		0.49	22.80	2 20		0.11	0.11	000	02. 6	۲. /۵	6.46	76.00
III TAI B		4.40	24.73	19.93	00 ₹	100	70.7	3.29	8:	0.53	0 20		32.40	0.52	73	0	0.16	0.21	000	100	3.30	9.18	108.00
COURT	1	CX.I	12.36	9.13	143	10.7	cy.c	1.13	1.36	0.53	00.0		j O	1980	100	, ė.	0,11	01.0	000		7.01	6.80	80.00
VATVA	+	ć.	14.61	14.57	11.50	C. 1	4.27	1.55	1.01	200			870	10.47		C4:7	0.22	0.21	8	(V)*()	2.05	8.50	10X).(X)
777.14	77.7	10/ 5	22.25	15, XI	000	77.0	Š	3.93	39.60	1 03		•	0.91	0.40	100	ć Č	0.20	0.20	8	(V).(V)	4.031	11.22	132.00
4014	A Y	17.79	61.36	83 34	17.0	c	24.27	08.40	1.07	26.0		0.33	0.82	0.46	134.7	¥	0,10	0.12	000	(7,44)	1.86	27.88	328,00
7111	SIALK O'ALKA	64.58	80.0	0.20	30.0	CXIC	57.60	38, 14	1.45	100	9	1.57	0.46	75.0	2	(X)/	0.18	0.15	20.0	/ / / / /	2.50	16,32	192.(X)
		45.58	0.18	0.73	000	(%.7)	0.00	21.35	4.01	70	2/10	X.X.	1 61	3131	7	11.36	1.16	48.0	50.0	O'O'	10 36	14.96	176.00
	4 ALWA	406.49	11.47	00.203	1000	070	0.0	58.30	37.75	97.10	50.15	+	36.50	1 7	1	53.3	14.05		5	().(X)	140.55	136.42	1.568.00
	2 ALMA 3 ALWA 4 KOSS	20.450	47.1 KG	17 51		0.05	80.0 80.0	46.44	25 37	4	23.12	15.50	26.44	2	Ċ	57.X2	88.51	1.0 0.1		O O	151.95	71 711	1,640.001 1,312.00
	ALKW	656.(X)	277.2.4	70 177	£	14.27	32.65	14.37	2 . 2	1 0	2.1	3	2 27	C	7x.1	<u>د اع</u>	1 23	131	10.10	(X)	98.6	142 48	00.01-9-1
	CENTER NAME	LINKWATE	VENTO	בייייייייייי	ALWAEK	4 KOSSER	SITALKALAKH	AATBASTAN	7 41 167 4 10 4 16	ALMINARAM	X ALKAREY IEN	PISHEEN	DESERTIVE (VI)	THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERS	TALBO	12 ALNASRA	TANATTENE	75,000	14: ALSCOCKEN	ISITADMOR	I SI ALL MANUAL	2L 21	TOTAL

S1-5-2 Traffic Matrix <uniterl.> (Homs, 2010)

				10004	12 13 14 3	•	AVIVE	VAIVA	- BURNO	INTALR: ILTALD		I ANIA CI	13 KATT 14. ALSO	_	S, TADX I D, MANO	MANC	1.15	7
CENTER NAME L'ALKW 2. ALMA 4. KOSS 3. IALKA 8. ALKA	I.ALKW	ALMA	ALWA.	4.NO33	3.1 ALA		21.7	-	. L.			2	5	**	000	24.64	150.40	759 67
- ITAWATI'I	700.80	279.96	449.02	47.21	66.55	16.19	3.51	2.43	1.73	3,98	50.7	Ş.	100	6:	74.74		20 64.	30 COT
A T N. A. Larry A	(N) COC	563.20	14 OX	0.72	0.10	90.09	26.78	20.68	13,66	27.16	15.43	47.22]	16.7()	15.95	0.00	55.55	1-4.30	
מו וועושוויי	17 000	70.71	06 003	200	210	03.50	21 LX	16.22	10.55	22.89	12.10	36.70	12.37	13,70	0.00	123.51	152.08	20.10
ALWAEK	310.31	0.00	35.00	16 34	200	C & &	- CX X	12.03	80.9	4.59	4.77	21.75	2.86	21.5	0.00	25,48		183.15
KONSEK	Į.	/O:0	0.0	137.00	0000	70.0	7.31	377	1848	3 18	3 30	26.26	0.85	0.75	000	12.06	17.00	10001
SITALKALAKH	33.67	01.0	0.05	Ö	8	80.07	0.51	1	3.	; c	1 2.3	4.21	0.20	0.46	800	7.73	26.62	353.46
6 ALRASTAN	13.24	\$0.97	66.65	22.89	40.69	105.601	OX ?	C+:1		11.5	20.0	1,4,7	160	0.20	800	4 20	8	8 9
7 ALMKARAM	2.87	30.86	30.35	4 26	Z.	œ.		0.93	1.50	CK.0	2.33	74.0	20.00	27.0	000	2.14	AX X	194
RALKAREYTEN	2.03	24.31	23.71	5.89	1,11	0.39		31.20	0.49	0.49	0. 4	2.00	0.23	0.22	CEAN	1,100	7.7	2, 23
SHEEN SHEEN	1.50	16.71	50.91	30.5	1.67	0.31	1:38	0.51	25.20	XX ()	0.83	6.93	0.12	o i	O. O.	2000	70.0	11.
TOTAL BESTER	200	19.80	70.07	2.02	0.48	0.76	0.87	5 4	0.32	,4 (3	0.46	1.1%	0.16	0.21)	O.CX)	3.30	4.00	110.50
		10, 11	17.07	1366	000	CV 0-	731	0.43	CX 0	67 ()	24 (X)	2.66	0.11	0.11	0.00	2.89	OX.G	80.27
LALIX	C.	<u> </u>	*	C7:7	\$ 150		50		20.0	1 20	2 03	(74 1×	0.44	0.41	000	7.53	23,12	273.02
12 ALNASRA	5.27	SX.X9	56.91		360			1000	31.	31.0		77.24	CAC AT	0.141	000	37.0	5.10	OE 050
RATTENE	1.1	16.96	15.63	1.21	0.181			07.0	N. IV	5 5	2.5	0.50	1	100 31	0.00	0.76	\$ 10	() ()
14 ALSOONEH	2	15.93	16.95	0.88	0.16	. 0.11	5	2	20.0	0.19	(3)	10.25	77.14	(8)	100	50.0	176 971	17/1/7
STADMOR	0.00	1000	0.00	000	(X) ()	(X)'()	0.00	0.00	0.00	0.00	0.00	000	000	000	00.001	(V)	3 60	100
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19 12	71.241	1 05	(A)	2.64	1.73	3.X6	68.1	1.92	3.33	5.8	6.26	0.79	0.79!	000	183.83	20.25	2
IO ALL WANDAL	C1 C3 L	133 661	•	1.401			36	*	7.14	98.6	6.80	23.12	5.10	5.10	158.40	52.02	8	3
15	1 752 (20)	1 108 (8)	-	(2)	(X) (X)C		140.00	(X) (X)	84.00	116.00	80.00	272:0X)	00.09	600.00	264.(X)	612.00	77.5	X 513 X
101 ML	, , , , , , , , , , , , , , , , , , ,	L-TANAMA	1.10	101	NAME OF THE PERSON													

\$1-5-2 Traffic Matrix <unitierl.> (Der Al Zor. 1996)

AME 1.	DERA	2.MAYA	CENTER NAMEL DERA (2.MAYA) 3.BOUK 4.ALAS 5.MANU 6.TS	4.ALAS	SMANU	ST.9	TOTAL
	211.28	93.27	93.27	14.03	74 77	45.95	
	91.80	45.60		0.00		ı	
	08'16	0.19	45.60	0.01	0.01	12.92	150.53
	13,79	0.00	10.01	6.84	00:0		
	73.58	10:0	00.0	0.00	36.48	10.34	
	45.95	12.92	12.92	1,94	10.34	00.0	84.07
	528.20	152.00	152.00	22.80	121.60	%	``

S1-5-2 Traffic Matrix <uniterl.> (Der Al Zor, 2000)

	CENTER NAME	1.DERA	2.MAYA	DERA 2:MAYA 3:BOUK 4.ALAS 5:MANU	4 ALAS	SMANU	ers	TOTAL
~~	DERALZOR	326.80	93.27	93.27	14.01	74.77	71.0%	673.20
71	2 MAYADINE	08.16	67.26	0.19	0.00	0.01	19.06	178.32
٣.	BOUKMAL	08.16	0.19	57.00	0.01	0.0	16.15	165.16
4	4 ALASHARA	13.79	00:0	10.0	23.94	0.00	87.9	44.52
S	SALL MANUAL	73.58	0.01	00.0	00.0	169.86	48.13	291.59
ত	6 TS	71.08	90.61	16.15	6.78	48.13	000	161.20
	TOTAL	668.85	179.80	166.63	44,74	292.77	161.20	1.513.98

\$1-5-2 Traffic Matrix <unitienl.> (Der Al Zor, 2005)

CENTER NAME 1	1.DERA	DERA 2 MAYA 3 BOUK 4.ALAS S.MANU	3.BOUK	4.ALAS	S.MANU	6.TS	TOTAL
1 DERALZOR	360.24	93.27	93.27	14.01	74.77	78.35	713.92
2 MAYADINE	01.80	69.54	0.19	00.0	0.01	19.70	181.25
3 BOUKMAL	01.80	61.0	58.14	10.0	0.01	16.47	166.62
4 ALASHARA	13.79	0.00	10.0	26.22	000	7.43	47.45
SALL MANUAL	73.58	0.01	00.0	00.0	181.26	51.36	306.22
6 TS	78.35	19.70	16.47	7.43	51.36	00:0	173.31
TOTAL	709.56	182.72	60.891	47.67	307.40	173.31	1 588 76

\$1-5-2 Traffic Matrix <unitierl.> (Der Al Zor, 2010)

	CENTER NAME DERA 2.MAYA	I DERA	2.MAYA		3.BOUK 4.ALAS S.MANU	SMANU	6.TS	TOTAL
-	DERALZOR	384.56	93.27	93.27	14.01	74.77	83.64	743.52
c,	2 MAYADINE	91.80	74.10	0.19	0.00	0.0	20.05	187.10
m	3 BOUKMAL	08.19	61.0	60.42	0.01	0.01	17.12	169.54
41	ALASHARA	13.79	00'0	10.0	29.64	0.0	8.40	51.84
0	SALL MANUAL	73,58	10.0	00.0	0.00	199.50	56.52	329.62
ç	8 TS	83.64	20.90	17.12	8,40	56.52	000	186.68
	TOTAL	739.17	188,58	-	90.53	330.81	186.681	1.668.31

\$1-5-2 Traffic Matrix <unitienl.> (Kamesjle, 1996)

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TOTAL	347.35	90.71	_	58.77	133.65	62.66	799.86
6.TS	30.08	5.49	6.46		8.07	0.00	62.66
S.MANU	58.41	0.01	0.01	00:0	28.50	8.07	95.00
4.DERB	25.68	0.01	0.02	12.54	00:0	3.55	41.80
3.RASA	46.62	0.09	22.80	0.02	00:0	6.46	76.00
2.AMOD	39.65	19.38	60.0	0.01	0.01	5.49	64.60
1.KAME	137.94	65.73	77.35	42.64	97.05	30.68	459.80
CENTER NAME 1.KAME 2.AMOD 3.RASA 4.DERB 5.MANU	IKAMESILE	(2 AWODAH	3 RAS ALEIN	4 DERBASTEH	SALL MANUAL	6 TS	TOTAL

\$1-5-2 Traffic Matrix <unitierl.> (Kamesjle, 2000)

L	CENTER NAME 1. KAME 2. AMOD 3. RASA 4. DERB 5. MANU	1.KAME	S.AMOD	3.RASA	4,DERB	S.MANU	6.TS	TOTAL
•	KAMESILE	329.46	4	46.62	25.68	58.41	93.35	593.13
71	2 AMODAH	65.73	30.78		10.0			105.34
	3 RAS ALEIN	77.35	0.00	•	0.02		8.72	116.97
4	4 DERBASIEH	42.64	0.01	0.02	2		6.78	73.40
2	SALL MANUAL	97.05	0.01	00.0	0.00	82.08	23.26	202.41
9	8 TS	93.35	8.72	8.72	6.78	23.26	00.0	140.83
مبيع	TOTAL	705.58	79.23	86.24	56.43	163.76	140.83	140.83 1.232.07

\$1-5-2 Traffic Matrix <unit:erl.> (Kamesjle, 2005)

AH 65.73 33.06 0.09 0.01 0.01 CITED NT.35 0.09 33.06 0.02 0.01 0.01 CITED NT.35 0.09 33.06 0.02 0.01 CITED NT.35 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.0		CENTER NAME 1	1.KAME	KAME 2 AMOD	3.RASA	4.DERB S.MANU	5.MANU	6.TS	TOTAL
ODAH 65.73 33.06 0.09 0.01 0.01 SALEIN 77.35 0.09 33.06 0.02 0.01 RBASIEH 42.64 0.01 0.02 25.08 0.01 MANUAL 97.05 0.01 0.00 0.00 90.06 FAL 745.09 82.16 89.17 57.89 174.00	**********	1 KAMESJLE	360.24					102.07	632.64
S ALEIN 77.35 0.09 33.06 0.02 0.01 RBASIEH 42.64 0.01 0.02 25.08 0.00 MANUAL 97.05 0.01 0.00 0.00 90.06 FAL 745.09 82.16 89.17 57.89 174.00		2 AMODAH	65.73	33.06		10.0	0.01	9.37	108.27
XBASIEH 42.64 0.01 0.02 25.08 0.00 JMANUAL 97.05 0.01 0.00 0.00 90.06 102.07 9.37 9.37 7.11 25.52 FAL 745.09 82.16 89.17 57.89 174.00		3 RAS ALEIN	77.35	60'0				9.37	119.89
LMANUAL 97.05 0.01 0.00 0.00 90.06 102.07 9.37 7.11 25.52 104.00 745.09 82.16 89.17 57.89 174.00		4 DERBASIEH	42.64	10.0	0.02			7.11	74.86
FAL 745.09 82.16 89.17 57.89 174.00	-	SALL MANUAL	50.70	10.0	00:0			25.52	212.65
745.09 82.16 89.17 57.89 174.00		S T 9	102.07	9.37				00.0	153.43
		TOTAL	745.09	82.16	89.17			153.43	ī

S1-5-2 Traffic Matrix <unitrerl.> (Kamesjle, 2010)

こうつきょう いえてんこ ひとてん といっという	L.KAME	2 AMOD	S.KASA	3.RASA (4.DERB	S.MANU 6.TS	6.TS	TOTAL
I KAMESJLE	393.30	39.65	79.95	25.68	58.41	111.43	90'5'9
2 AMODAH	65.73	75 SE	60'0	10.0	0.01	10.01	61111
3 RAS ALEIN	77.35	0.00	34.20	0.02	10.01	69.6	121.36
4 DERBASIEH	42,64	10'0	20.0	27.36		7.75	77.78
SALL MANUAL	97.05	10'0	00.0	0.00	99.18	28.10	224.35
ST 8	55:114···	10'01	0,69	7.75	28.10	0.00	166.99
TOTAL	18.787	80.58	90.63	60.82	185.71	166.991	-

S1-5-2 Traffic Matrix <unit:erl.> (Hasakah, 1996)

)	3	Š	$\tilde{\Sigma}$	9	
TOTAL	412.84	104.95	123.23	72.40	713,41
4.TS	58.19	5.81	8.40	00.0	72.40
3.MANU	46.93	38.42	29.64	8.40	123.39
2.MALK	40.21	20.52	38.36	5.81	104.90
1.HASA	267.52	40.19	46.83	58.19	412.72
CENTER NAME 1.HASA [2.MALK 3.MANU]	1 HASAKAH	2 MALKIAH	3 ALL MANUAL	TS	TOTAL
Ľ	<u> </u>	2	~	1	

S1-5-2 Traffic Matrix <unit:erl > (Hasakah, 2000)

CENTER NAME LHASA 2 MALK 3 MANU 4.TS	1.HASA	2.MALK	3.MANU	4.TS	TOTAL
1 HASAKAH	363.28	40.21	46.93	79.01	529.43
2 MALKIAH	40.19	31.92	38.42	9.04	119.58
3 ALL MANUAL	46.83	38.36	82.08	23.26	190.53
4 TS	79.01	9.04	23.26	00.0	111.31
TOTAL	529.31	119.53	. 190.68	111.31	950.84

\$1-5-2 Traffic Matrix <unit:erl.> (Hasakah, 2005)

	CENTER NAME	1.HASA	HASA 2 MALK 3 MANU	3.MANU	4.TS	TOTAL
Ë	HASAKAH	380.00	40.21	46.93	1	549.78
2	2 MALKIAH	40.19	33.06	38.42	9.37	121.04
3	ALL MANUAL	46.83	38.36	90.06	25.52	200.77
4	TS	82.65	9.37	25.52	0.00	117.53
5	TOTAL	549.67	121.00	200.93	117.53	989.12

S1-5-2 Traffic Matrix <unit:erl.> (Hasakah, 2010)

CENTER NAME 1. HASA 2. MALK 3. MANU	1.HASA	2 MALK	3.MANU	4.TS	TOTAL
1 HASAKAH	396.72	40.21	46.93	86.29	570.14
2 MALKIAH	40.19		38.42	10.01	123.97
3 ALL MANUAL	46.83	38.36	81.66	28.10	212.47
4 TS	86.29	10.01	28.10	0.00	124.40
TOTAL	570.03	123.92	212.63	124.40	124.40 1.030.98

SUPPORTING 1-6 FUNDAMENTAL TECHNICAL PLAN

Study on Loss Allocation in Syria (1)

\$1-6-1 Study on Loss Altocation in Syria (1)

I

This paper is to calculate OLR in Syria to see if Syrian network can meet the long-term objective recommended in CCITT G111 and G121.

Syrian current subscriber line loss objective is 10dB at 800Hz.
 note: The loss objective Syria used to be 11.3dB since 1974. But the objective was improved from 11.3dB to 10dB two years ago.

Subscriber line	800Hz	1 <i>5</i> 00Hz
0.4mm	10dB	13.58dB
0.5mm	10dB	13.57dB
0.65mm	10dB	13.57dB
0.9mm	10dB	13.29dB

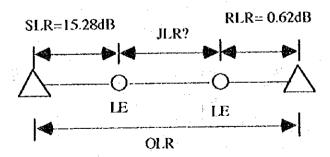
2. The relationship between the subscriber line loss and SLR and RLR depends on types of telephone set and types of cable used in Syria and others, and must be obtained experimentally. Since it is very difficult for the JICA Study Team to know the experimental relationship, the relationship accepted in Japan is applied here.

SLR: 4.4 + 0.8 x L [dB]

RLR: $-8.9 + 0.7 \times L \text{ [dB]}$

(in the case that L is more than 7dB; LdB at 1500Hz)

SLR: 15.28dB (L = 13.6dB) RLR: 0.62dB (L = 13.6dB)

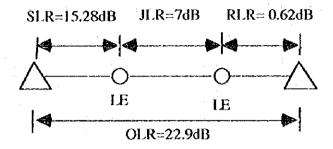


LE: LOCAL EXCHANGE

3. In order to obtain JLR, you must know the network loss (loss from LE to LE). In the case of all digitized network from LE to LE, the minimum network loss is almost free from the

network un-stability caused by (near) singing, However it is said that small network loss causes echo problem. Consequently most of main countries give 7-8 dB loss to the network loss (see CCITT G121 ANNEX C).

If the network loss is 7dB, JLR becomes 7dB. OLR will be: 15.28 + 7 + 0.62dB = 22.9dB.



LE: LOCAL EXCHANGE

4. The CCITT G 111 (revised in 1988) recommends as follows.

OPTIMAL VALUE

OLR = approximately 10dB

maximum

OLR = 12dB

minimum

OLR = 8dB

(long term objective)

Conclusion:

the Syrian network does not meet the CCITT long term objective on speech quality. The subscriber loss objective must be reduced from view point of speech quality.

note 1: The OLR calculated here meets the CCITT short term objective (maximum OLR = 21dB).

note 2: In the case that the network from LE to LE is all analog, the OLR will be worsen by 7-8dB, taking account of the network loss increase for network stability against (near) singing, loss deviation, and attenuation distortion. The Syrian network of all analong does not meet the CCITT short term objective (maximum OLR = 21dB).

It is assumed here that LEs are 4 wires switches. Otherwise, the OLR will be worsen more.

note3: terminology

LR: Loudness Rating

OLR: Overall Loudness Rating

SLR: Send Loudness Rating

note: SLR used in the paper is not at 0dBr or VASP (Virtual Analog Switching

Point).

RLR: Receive Loudness Rating

note: SLR used in the paper is not at 0dBr or VASP (Virtual Analog Switching

Point).

JLR: Junction Loudness Rating

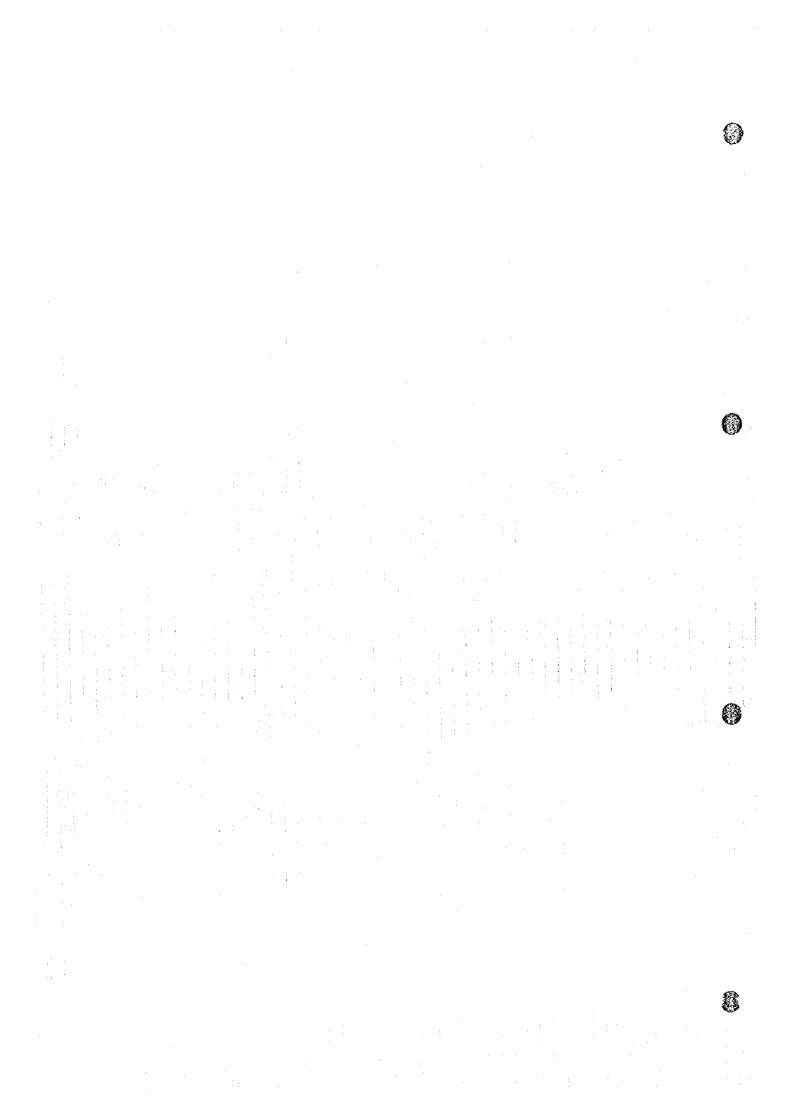
memo: (see "Study on Loss Allocation in Syria (3)" This memo is uncorrected.)

Frequency for 10dB subscriber line loss objective in Syria

The Study Team failed to find out a document which describes the frequency used for the subscriber line loss. However, the Study Team guesses that the frequency is 800Hz in Syria, on the ground of the following reasons.

- (1) The STE used RE standard. For RE standard, It is said that loss at 700-800Hz is the most equivalent to RE deterioration.
- (2) In the Syrian document "Communication Calculations in audio telephone cable", the maximum distances of various cables are calculated for the old standard, 11.3dB at 800Hz.

Study on Loss Allocation in Syria (2)



\$1-6-2 Study on Loss Allocation in Syria (2)

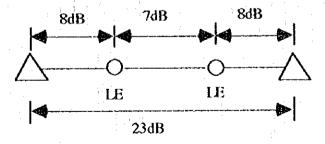
This paper is to recommend Syrian loss allocation as a medium term objective applied for the Master Plan for the period to 2010.

1. Guide line

- (1) Loss allocation will be determined to meet CCITT G111 and G121 recommendations on speech quality measured by LR (Loudness Rating).
- (2) Taking account of not only speech quality, but also economic view point, Syrian medium term objective will be better than the short term objective, but worse than the long term objective, which are recommended in G111 and G121.
- (3) This recommendation should be applied only for all digital network from local exchange to local exchange.
- (4) As for all analog network from local exchange to local exchange, a reference of loss allocation will be shown in the document. (The reference is limited to 4 wires local exchange network.)
- (5) The method of Overall LR calculation is the same as used in the paper "study on loss allocation (1)".

2. Loss allocation

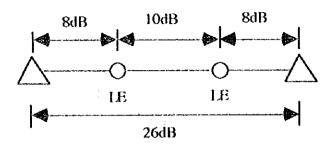
(1) Recommendation for all digital network from local exchange to local exchange (4 wires local exchanges)



LE: LOCAL EXCHANGE

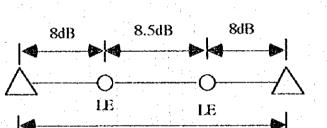
(2) A Reference for all analog network from local exchange to local exchange (4 wires local exchanges)





LE: LOCAL EXCHANGE

(3) A Reference for analog digital network from local exchange to local exchange (4 wires local exchanges)



LE: LOCAL EXCHANGE

24.5dB

note 1: The subscriber line loss is at 800Hz.

note 2: The subscriber line loss objective must be improved from current 10dB to 8dB (see note 3).

note 3: The subscriber line loss does not include telephone set loss and loss from telephone set to outside terminal of arrester, but include intra-office loss from MDF to exchange, say 0.5dB. Therefore 7.5dB can be actually allocated to subscriber lines if the intra-office loss is 0.5dB.

note 4: The network losses from LE to LE are determined in consideration of;

(1) echo problem caused by small network loss for the all digital network from LE to LE, and



- (2) network un-stability caused by (near) singing for the all analog network from LE to LE.
- 3. Overall LR

(1) all digital network from LE to LE (4 wire local exchanges)

Overall LR: 18.85dB

The value is better than the CCITT short term objective (maximum 21dB), but worse than long term objective (maximum 12dB).

The value can obtain 1.8 MOS (Mean Opinion Score): 70% of people think speech quality "fair" and almost nobody think speech quality "bad", even in the case of the longest connection in Syria.

(2) all analog network from LE to LE (4 wire local exchanges)

Overall LR: 26.85dB (including deterioration caused by loss variation and attenuation distortion)

The value does not meet CCITT short term objective (maximum 21dB). However, the value is better than the maximum values for an average-sized country, which are recommended to be improved in G121.

note: see "Study on Loss Allocation in Syria (1)" which calculates Overall LR for the current Syrian 10dB subscriber line objective.

4. Calculation of Overall LR

(1) all digital network from LE to LE (4 wires local exchanges)

subscriber line loss at 800Hz:

8dB

subscriber line loss at 1500Hz:

10.9dB

network loss at 1000KHz

7dB

Send LR:

 $4.4 + 0.8 \times 10.9 = 13.12 \, dB$

Receive LR:

 $-8.9 + 0.7 \times 10.9 = -1.27 \text{ dB}$

Junction LR:

7dB

Overall LR:

18.85dB

(2) all analog network from LE to LE (4 wires local exchanges)

subscriber line loss at 800Hz:

8dB

subscriber line loss at 1500Hz:

10.9dB

network loss at 1000KHz : ::

10dB

Send LR:

 $4.4 + 0.8 \times 10.9 = 13.12 \, dB$

Receive LR:

 $-8.9 + 0.7 \times 10.9 = -1.27 \text{ dB}$

Junction LR:

10dB

attenuation distortion: 1.5dB

1 5AD

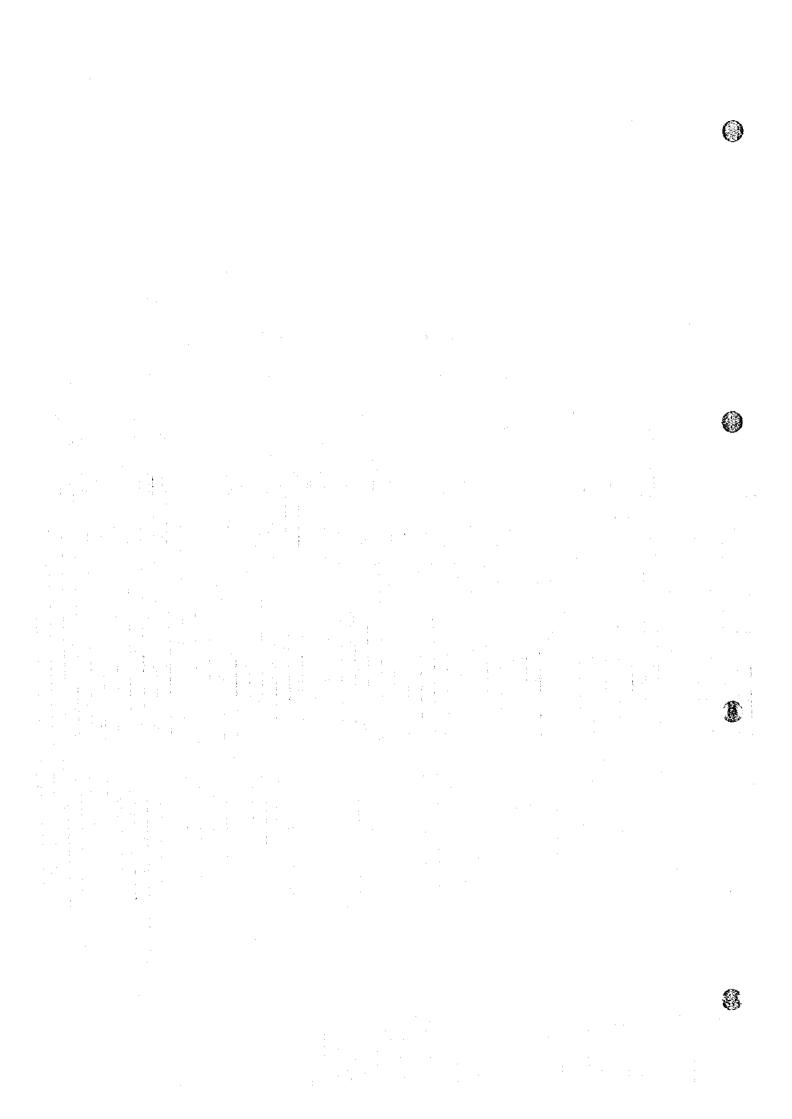
loss variation:

3.5dB

Overall LR:

26.85dB

Study on Loss Allocation in Syria (3)



S1-6-3 STUDY ON LOSS ALLOCATION IN SYRIA (3)

TO: ENG. MOHAMAD OTHMAN, EXECUTION DIRECTOR, STE COPY TO: ENG. KAMAL DABOUR, LOCAL NETWORK O&M DEPARTMENT COPY TO: MR. R. SCHOLZ, JICA STUDY TEAM COPY TO: MR. M. TANAKA, JICA STUDY TEAM LEADER DE: TOMIO HOSODA, JICA STUDY TEAM

DATE: 11TH DECEMBER, 1995

SUBJECT: ANSWER TO YOUR COMMENTS ON "STUDY ON LOSS ALLOCATION IN SYRIA (1)"

Dear Eng. M. Othman,

Thank you for your kind comments on my study on loss allocation in Syria (1). Let me answer to your comments.

1. your comment:

Loss allocation in Syria is based on Rec. G121 Reference equivalence of national systems ORANGE BOOK vol III-1.

my answer:

1

RED BOOK and BLUE BOOK have been issued, following the ORANGE BOOK. Their recommendations are based on different measures on speech quality as follows.

RED BOOK (New Delhi 1960): Articulation Reference Equivalent (AEN) ORANGE BOOK (Geneva 1977): Reference Equivalence (RE) RED BOOK (Geneva 1985): Corrected RE and Loudness Rating (LR) BLUE BOOK (Melbourne 1988): LR

The reason why the ways of measuring speech quality have been changing is to comply with telephone network improvements by introduction of 4 wires local exchanges, network digitization, and good telephone sets.

When we see far ahead into the period to 2010, I firmly believe that the Syrian network should be evaluated in speech quality according to the recent BLUE BOOK. Therefore, my study on speech quality in Syria (1) and (2) are based on the BLUE BOOK.

2. your comment:

The conclusion " the Syrian network does not meet the CCITT long term objective on speech quality." is questionable.

my answer:

The CCITT long term objective is recommended in the BLUE BOOK, and not in the ORANGE BOOK. As a matter of fact, even the most advanced countries have been making every effort to reach the long term objective. In the master plan up to year 2010, I would like to propose the medium term objective which is described in the "study on speech quality in Syria (2)".

3. your comment:

Syria network losses are as follows.

- (1) Loss between local exchanges
 - a- between all digital exchanges: 0 dB
 - b- between digital exchanges and EMD: 0 dB
 - c- between EMD exchanges: depends on the distance, e.g. in Damascus minimum C E: 2.5dB maximum D F: 8dB

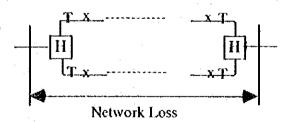
note 1: all EMD exchanges will be replaced by new digital ones in the 8th five years plan.

note 2: links to Douma and Toll EMD exchanges are PCM.

- (2) Loss between Local and STD exchanges: 0 dB (using only PCM links)
- (3) Loss between STD exchanges: 0dB

my answer:

The network losses in my papers are defined as below.



x: Local Exchange switching point T: Attenuater H: Hybrid

note: The network loss can be adjusted by the attenuaters.

Loss between "x" point to "x" point in the above figure must be 0 dB in all digital network. However the network loss must be decided, taking account of following conditions.

- (1) Network Un-stability caused by (near) singing, and
- (2) (near end) Echo

If the loss between all digital exchanges in your comment is the network loss with 0 dB, the network would suffer from the problems above.

In the "study on loss allocation in Syria (2)", the loss allocation is proposed for the longest connection in Syria. For shorter connection, the network loss could be reduced. In most of European countries, the network loss is 7 dB in all connections for all digital networks. But in north America, they change network losses according to connections. The 7 dB loss is the safest for all digital network in Syria. If STE want to reduce the network loss for shorter connections, you should carefully consider the above two conditions. In Japan, 4 dB network loss is given to connections originating and terminating within one telephone office.

For the two wires local exchanges, the maximum two wires circuit losses to 4 wires toll exchange must be added to the loss allocation for the longest connection.

4. your comment:

The frequency for the subscriber line loss is 800 Hz.

my answer:

Thank you for your comment. I take a note here that the 800 Hz frequency is described in an Arabic document held by Mr. M. Othman.

Best Regards,

Tomio Hosoda

JICA Study Team

1

Note: The speech quality calculations in "Study on Loss Allocation in Syria (1)" and "Study on Loss Allocation in Syria (2) are made for the worst cases in Syria as usual.

SUPPORTING 1-7 LONG TERM FACILITY PLAN

1

Deployment of Local Switching Equipment



PACTUTIES PLAN-LOCAL EXCHANGES

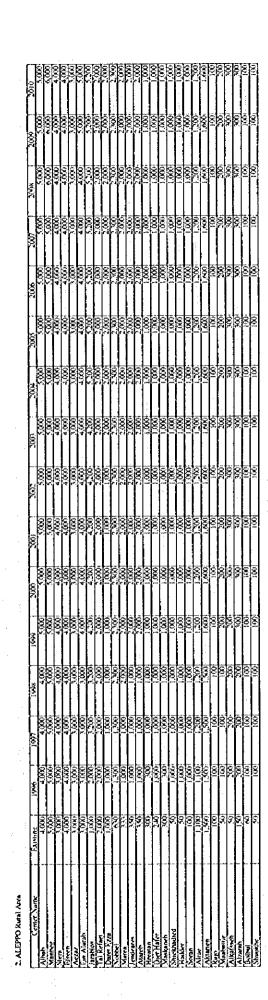
OVEXVIEW SYKIA: Law Units in Accordance with the Fulfilment Plan

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S1-7-1 Deployment of Local switching Equipment 1996-2010

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\$1-7-1 Deployment of Local switching Equipment 1996-2010

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S1-7-1 Deployment of Local switching Equipment 1996-2010

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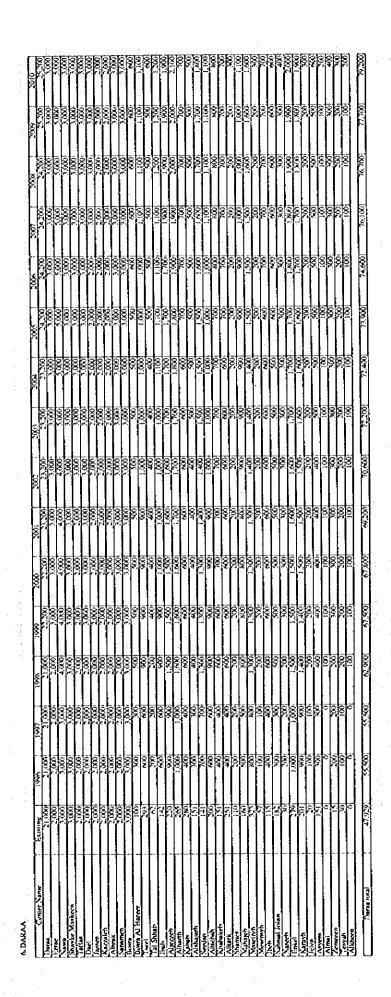
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\$1-7-1 Deployment of Local switching Equipment 1996-2010

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8.17-1 Deployment of Local switching Equipment 1996-2010

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\$1-7-1 Deployment of Local switching Equipment 1996-2010

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\$1-7-1 Deployment of Local switching Equipment 1996-2010

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