

Table B2 Rev.1: Detailed cost estimation

lab	activity	m ²	Location	Utility	Instrument. Asset	Personnel	Instrument.
			Rent K€/year	K€/year	K€	Number of people #	Opex K€/year
SAR	Specific Absorption Rate lab	150	19	28	800	4	25
USX	User experience lab	130	17	24	100	6	0
BBA	Broadband access lab	300	39	56	1,400	7	5
VAS	Mobile value added services lab	40	5	7	0	3	0
EPS	Electrical safety & protection lab	80	10	15	1,200	4	25
ELA	Electroacoustic lab	250	32	46	800	4	5
EMC	Electromagnetic compatibility lab	300	39	56	1,600	5	5
RSL	Radio & Signalling lab	250	32	46	2,000	12	10
PWR	Powering consumption lab	80	10	15	200	2	5
QML	Quality of material lab	250	32	46	1,300	6	15
WIF	Personal area network lab	170	22	31	500	5	5
TPF	Fixed Test plant	900	117	167	3,000	33	120
TPM	Mobile Test plant	2500	324	463	3,000	55	300
DTT	Digital terrestrial (DVB -T2)	40	50	50	150	2	20

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LAB	activity	Rationale	Usefulness	cost	total
DTT	Digital terrestrial	to verify the quality of set top box	10	10	20
SAR	SAR	to verify the quality of mobile terminals for health reasons	12	6	18
PWR	Powering consumption lab	critical powering conditions either for main supply conditions and quality of equipment	8	9	17
QML	Quality of material lab	to verify the quality of equipment in severe environmental conditions (temperature humidity, fog salt)	5	11	16
WIF	Personal area network lab	Important to verify WIFI very common in SADC	6	8	14
EPS	Electrical safety & protection lab	critical powering conditions either for main supply conditions and quality of equipment	9	5	14
EMC	Electromagnetic compatibility lab	to verify the emitted and conducted radiations in low quality equipment	10	3	13
RSL	Radio & Signalling lab	to verify the quality of radio part of mobile terminals in low quality mobile equipment	11	2	13
VAS	Mobile value added services lab	Not useful in SADC	0	12	12
ELA	Electroacoustic lab	To verify audio quality in mobile terminals	4	7	11
USX	User experience lab	Not useful in SADC	0	10	10
BBA	Broadband access lab	to verify the quality of broadband lines in emerging fixed market	5	4	9
TPF	Fixed Test plant	Too complex and expensive, useful only for big test center	0	1	1
TPM	Mobile Test plant	Too complex and expensive, useful only for big test center	0	1	1