

CHAPTER 1

ALCATEL 4100

PROGRAMMABLE PARAMETERS

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CORRECTION

MEMORISED ADDRESSES ACCESSIBLE BY

B45

DESIGNATION	PHASE 2	INIT	VALUE
NIGHT SERVICE GENERAL BELL TIMING	DN1	43BA	1B 1.7 s
	OFF1	43BB	34 3.3 s
TIME BASE : 64 ms	DN2	43BC	1B 1.7 s
	OFF1	43BD	34 3.3 s
CHANNEL RS232C SELECTION FOR TOLL TICKETING			Port 1 valid
01 = PORT 1	44A1	01	
02 = PORT 2			
SPEED OF PRINT OUT			
Contents Baud Rate			
00 75			
11 110			
22 134.5			
33 200			
44 300			
55 600			
66 1200	4491	66	1200 BDS
77 1050			
88 2400			
99 4800			
AA 7200			
BB 9600			
Operator Password	1st byte	52BA	22 key
	2nd byte	52BB	22 2222
System Password	1st byte	533C	33 key
	2nd byte	533D	33 3333
Installers Password	1st byte	533E	44 key
	2nd byte	533F	44 4444
User Password of the 001 Equipment	1st byte	533A	00 no key
	2nd byte	533B	00

LOCATE PAROLE:

5340 22
41 22
42 HSB
43 LSB
44 HSB
45 LSB

5310 22
41 22
42 33
43 33
44 20
45 FD

PROGRAMMABLE PARAMETERS

ACCESSIBLE BY B 47

DESIGNATION	ADDR	INIT	CAVE	VALUE	COMMENTS
OFF HOOK ROUTING	009	005	1024	5s	
DISPLAY OF SPEED DIALLING NUMBER AT THE END OF AN EMISSION (DURATION)	030	003	1024	3s	
DISPLAYING A DIRECTORY NUMBER IF FORWARDED (DURATION)	022	002	1024	2s	cat B47-017
ANNOUNCEMENT ON LS STATION AND GENERAL CALL	011	030	1024	30s	
ANNOUNCEMENT ON EXTERNAL LS (SIGNAL TIMING)	037	001	64	64ms	
INTERNATIONAL CALL DIGIT RECEPTION TIME-OUT	051	020	1024	20s	
DURATION BETWEEN 2 DIGITS DIALLING AND BUSY TONE	015	010	1024	10s	
WAITING FOR AN ACTION IN DATA	225	020	1024	20s	
WAITING FOR DTMF RECEIVER IN DID (TIMED DELAY)	218	063	64	4s	
MULTI CONFERENCE (DURATION OF BEEP)	138	008	64	0.5s	
INTERNATIONAL PDR1 BARRING MODE	007	000	222		
NATIONAL PDR1 BARRING MODE	004	000	222		
LOCAL PDR1 BARRING MODE	001	001	222		
INTERNATIONAL PDR2 BARRING MODE	008	000	222		
NATIONAL PDR2 BARRING MODE	005	003	222		
LOCAL PDR2 BARRING MODE	002	003	222		
MULTIPLE CONFERENCE	024	002	1024	2s	
CONNECTION TO THE REPLY (TIMED DELAY)	033	010	64	0.05	
CONNECTION ON PAGING & INTERPHONE (SIGNAL DURATION)	039	008	64	0.5s	

PROGRAMMABLE PARAMETERS

ACCESSIBLE BY B46

STORAGE AREA	DESCRIPTION
000	Counter of reset operations : watchdog + reset when system is powered on
001	Counter of reset operations on faults
002	Counter of ACIA transmission faults
003	Counter of station transmission faults
004	Observation counter of TS overflows
005	Maximum number of simultaneous events
006	Maximum number of simultaneous delays
007	Quantum of metering pulses/(thousand, hundred)
008	Quantum of metering pulses/(ten, unit)
009	Error counter
010	Not used
011	
012	
013	
014	Basic charge price (thousand, hundred)
015	Basic charge price (ten, unit)
016	Basic charge price (tenth, hundredth)
017	Basic charge price (thousandth)
018	Currency symbol (1st ASCII-character)
019	Currency symbol (2nd ASCII-character)
020	Currency symbol (3rd ASCII character)

PROGRAMMABLE PARAMETERS ACCESSIBLE BY B 47

DESIGNATION	ADDR	INIT	CAVE	VALUE	COMMENTS
CONVERSATION AT THE END OF DIALLING (TIMED DELAY)	052	020	1024	#20s	
TRANSFER AND DISA OVERFLOW (TIMED DELAY)	019	030	1024	#30s	
FAULTY OPERATING OVERFLOW (TIMED DELAY)	020	022	1024	#22s	
PARK OVERFLOW (TIMED DELAY)	013	120	1024	#2min	
INDIVIDUAL LINE OVERFLOW (TIMED DELAY)	027	030	1024	#30s	
HOLD OVERFLOW (TIMED DELAY)	136	060	1024	#1min	
DIGIT SHIFTING (TIMED DELAY)	137	012	64	0.7s	
INTERNATIONAL DOD. MINIMUM NUMBER OF DIGITS IN DTMF	228	002	222		
NATIONAL DOD. MINIMUM NUMBER OF DIGITS IN DTMF	227	002	222		
LOCAL DOD. MINIMUM NUMBER OF DIGITS IN DTMF	226	001	222		
AVAILABILITY OF OUT-GOING TRUNK CIRCUITS (TIMED DELAY)	048	031	64	2s	> a B47-053
AVAILABILITY OF BOTH-WAY TRUNK CIRCUITS (TIMED DELAY)	057	078	64	5s	> a B47-053
INCOMING ENQUIRY CALL (NON AUTHORIZATION TIMED DELAY)	028	005	1024	#5s	
DEFAULT EMISSION TIME OUT	045	012	512	6s	
INTRUSION (DURATION OF BEEP)	036	031	64	#2s	
INCOMING CALL (TIMED DELAY)	047	039	128	#4.9	
FLASHING OF ANALOG SETS	040	031	16	0.5s	

The values preceded by the sign #, are imposed by TCI (PTT-FRANCE) regulations.

...PROGRAMMABLE PARAMETERS ACCESSIBLE BY B 47

DESIGNATION	ADDR	INIT	CAME	VALUE	COMMENTS
FLASHING ON TRUNK LINE DIR. 1	042	000	64		
INTERNATIONAL FORMAT (MAXIMUM NUMBER OF DIGITS)	006	018	xxx		
NATIONAL FORMAT (MAXIMUM NUMBER OF DIGITS)	003	012	xxx		
LOCAL FORMAT (MAXIMUM NUMBER OF DIGITS)	000	008	xxx		
VOICE FREQUENCY (EMISSION TIMED DELAY) DIRECTION 1	041	009	8	#72ms	
VOICE FREQUENCY (INTERDIGIT TIMED DELAY) DIRECTION 1	042	005	16	#80ms	
DECADIC INTERDIGIT DIRECTION 1	044	056	16	0.9s	
INTERPHONE AND EXTERNAL PAGING (RINGING DURATION)	017	003	1024	3s	> a B47-022
BATTERY REVERSAL (WAIT FOR STABILISATION)	056	016	128	2s	
BATTERY REVERSAL (CONFIRMATION TIMED DELAY)	053	003	128	384ms	
BATTERY REVERSAL (PRESUMPTION TIMED DELAY)	054	002	128	256ms	
INVITATION TO DIAL (DETECTION IN ABBREVIATED NUMERATION)	050	125	16	#2s	
INVITATION TO DIAL (DETECTION)	049	063	16	#1s	
AUTOMATIC DATA ENTRY RELEASE (TIMED DELAY)	135	040	1024	40s	
AUTOMATIC DISA RELEASE (TIMED DELAY)	140	180	1024	#3mn	
TRUNK RELEASE ON NIGHT SERVICE RECALL (TIMED DELAY)	001	180	1024	#3mn	

The values preceded by the sign #, are imposed by TCI (PTT FRANCE) regulations.

...PROGRAMMABLE PARAMETERS ACCESSIBLE BY B 47

DESIGNATION	ADDR	INIT	CAME	VALUE	COMMENTS
BUSY TONE IN INTERPHONE MODE	018	003	1024	3s	
CONFIRMATION TONE (DURATION)	029	003	1024	3s	
INTERMEDIATE TONE INSERTED (TIMED DELAY DETECTION)	058	006	16	96ms	
SPEED OF THE ALPHABET RUN	038	006	64	384ms	
DURATION OF THE WAKE UP RINGING	230	030	1024	30s	
IDLE TIME AFTER WAKE UP RINGING	231	003	1mn	3mn	

The values preceded by the sign #, are imposed by TCI (PTT FRANCE) regulations.

...PROGRAMMABLE PARAMETERS ACCESSIBLE BY B 47

DESIGNATION	ADDR	INIT	CAME	VALUE	COMMENTS
ON CALL OBSERVATION (DURATION BIP)	033	002	128	250ms	
NON CALL OBSERVATION (TIMED DELAY)	053	011	64	700ms	> a B47-048 et 057
CALL PRESUMPTION (TIMED DELAY)	046	004	32	128ms	
DOD ON HOOK (OFF HOOK TIMED DELAY)	134	060	1024	1mn	
HOLD RECALL (TIMED DELAY)	012	120	1024	2mn	valeur mini=009
MEETING REMINDER (DURATION OF RINGING)	023	020	1024	20s	
AUTOMATIC CALL BACK ON A BUSY TRUNK GROUP	026	010	1024	10s	
AUTOMATIC CALL BACK ON A BUSY STATION	025	010	1024	10s	
RECORDER SEARCH (TIMED DELAY)	032	001	1024	1s	
RAPID RECONNECTION (NUMBER OF DTMF DIGITS)	133	006	xxx		
NIGHT SERVICE AUTO. SWITCH OVER	139	045	1024	45s	
AUTOMATIC CALL DIVERSION (TIMED DELAY)	010	015	1024	15s	
REPRESENTATION OF INCOMING CALL (TIMED DELAY)	034	016	64	1s	
RING JACK IN DISA (TIMED DELAY)	141	005	1024	#5s	
SILENCE ON HOLD SOURCE	229	010	512	5s	
BUSY TONE (EMISSION TIMED DELAY)	014	008	1024	8s	
BUSY TONE IN DISA (EMISSION TIMED DELAY)	224	010	1024	10s	

ADDRESSES ACCESSIBLE BY B47

OFF HOOK ROUTING / ADDRESS 009

B47-009

When a single line station or multiline station is programmed for off-hook routing, the end of this time delay releases the direct ac towards the chosen equipment.

DISPLAYING AN ABBREVIATED NUMBER AT THE END OF EMISSION (DURATION) / ADDRESS 030

With abbreviated numbers, the abbreviated number is displayed just before the displaying of the external number. The duration of the display may be varied.

N.B : This time delay may also be used for rapid reconnection (B47 address 133), and defines the route in conversation mode in open speed dialling.

DISPLAYING A DIRECTORY NUMBER IF FORWARDED (DURATION) / ADDRESS 022

The called party directory number is displayed during this time before the display of the destination number.

N.B : The duration of this display must always be shorter than the "Interphone & Announcement Paging". (B47 address 017).

ANNOUNCEMENT ON LS STATIN AND GENERAL CALL / ADDRESS 011

Duration of the announcement on the station, on the badging group and general badging before automatic release.

ANNOUNCEMENT ON EXTERNAL LS (SIGNAL TIMING) / ADDRESS 037

This address defines the timing of the signal received in the LS of the telephone sets, when there is an ANNOUNCEMENT.

INTERNAL CALL DIGIT RECEPTION TIME-OUT / ADDRESS 015

Maximum time delay between two digits sending the busy tone and duration of a busy tone, when calling a busy station. This address also defines the time delay of digit reception in over dialling.

V. Label page 1.19 **INFORMATION ON ZONES BY DIRECTION ACCESSIBLE BY B47**

VOICE FREQUENCY (EMISSION TIMED DELAY) *DTMF?*

This timed delay defines the duration of each voice frequency emission.

VOICE FREQUENCY (INTERDIGIT TIMED DELAY) *DTMF?*

This timed delay defines the duration between two digits emitted on voice frequency.

NB : The value of this timed delay is imposed by PTT regulations.

FLASHING ON EXTERNAL LINES

This timed delay defines the value of the flashing sent to the central office. The value is a multiple of the time base, which is 64 ms. This data is also used for the earth button.

DECIMAL INTERDIGIT PAUSE (IDP)

This timed delay defines the duration between two digits sent on decimal pulse. This value is linked to the central office.

EMISSION BY DEFAULT (TIMED DELAY)

This timed delay is started in the case of direct outward trunk group dialling in default transmission (1st bit of trunk group data). At the end of this, it is possible to send the digits.

3 : While the timed delay is not sent, the distant tone is not received. Dialling is possible before the end of this time delay.

CALL PRESUMPTION (TIMED DELAY)

This timed delay defines the duration at the end of which an "arrived" call is actually taken into account.

END OF CALL (TIMED DELAY)

This timed delay permits the distinction between the external ringing tone and the silence phase of this ringing tone. This timed delay is equal to the sum of :

- Length of call + Length of silence + 1 second

NB : This timed delay is imposed by PTT regulations

While the value of the timed delay is less than the ringing tone the response to an incoming call is considered as an outgoing call, and the external correspondent does not hear the internal user.

AVAILABILITY OF OUTWARD TRUNK GROUPS

This timed delay defines the time from which the trunk group passes from a true idle state to a state where it may be used for outgoing calls. During this timed delay, the trunk group may receive calls.

COMMENT : This timed delay concerns the outgoing trunk groups on network 1 and must always be greater than the "non observation of a call" timed delay.

INVITATION TO DIAL

The end of this timed delay permits external dialling when the tone is correctly detected.

INVITATION TO SPEED DIAL

The end of this time delay permits automatic dialling to a network (abbreviated, sem-reen, BIS) as long as the external tonality is correctly detected.

WAIT FOR OUTGOING DIGITS

At the end of this timed delay the duration of the communication appears on the display unit. At this time, dialling on the external line is blocked (if the line has not been declared private) and printing as well as flashing on the external line is possible.

NB 1 : In the case where the trunk group concerned is programmed in observation IB and the IB is not sent, the end of this timed delay releases the "CONVERSATION AT THE END OF DIALLING" timed delay. (zone 052 OF B47) in order to permit the printing and the flashing on external line.

NB 2 : The timed delay is also used for the waiting of call "BSC" digits for the analog decimal sets.

waiting for digits
20s

conversation at the
end of dialling
10s

display time printer
edition flashing if
IB is masked in B50

printer edition
flashing if IB
not received

CONVERSATION AT THE END OF DIALLING

This timed delay is started at the end of the "waiting for outgoing digits" timed delay (address 051 of B47) in the case where the trunk group is programmed on IB observation and IB has not been sent. At the end of this timed delay, the printing, as well as the flashing on the external line is possible.

AVAILABILITY OF MIXED TRUNK GROUPS

This timed delay is identical to that for the outgoing trunk groups except that it only concerns networks 2 to 9.

NON-OBSERVATION OF CALL (TIMED DELAY)

This timed delay defines the duration during which an incoming trunk group is not observed after the external party goes on hook.

NB : This timed delay must always be less than the "mixed trunk group availability" tone and the "outgoing trunk group" availability" tone.

INSERTED TONALITY

This timed delay presumes the detection of a tone or of a signal received in the course of dialling before entering into conversation mode.

PARAMETRICAL ZONES ACCESSIBLE BY B48

ADDR	DESIGNATION	INIT	POSITION OF PARAMETER	PARAMETRA
			0 0 1 1 1 1 1 1 1 1	
	OBLIGATORY BUS- INESS CODE	NO		0= no code 1= code obl
	ENQUIRY CALL DIGIT	Dig 2		0= Dig 2 1= Dig 1
	DATE (FRENCH OR ENGLISH)	Fr.		0= English 1= French
	TIME (FRENCH OR ENGLISH)	Fr.		0= English 1= French
000	AUTOMATIC RESET EVERY TWO HOURS	Yes		0= No reset 1= Auto "
	INTERNATIONAL TONE	Yes		0= No detc. 1= Detect.
	NATIONAL TONE	Yes		0= No detc. 1= Detect.
	LOCAL TONE	Yes		0= No detc. 1= Detect.