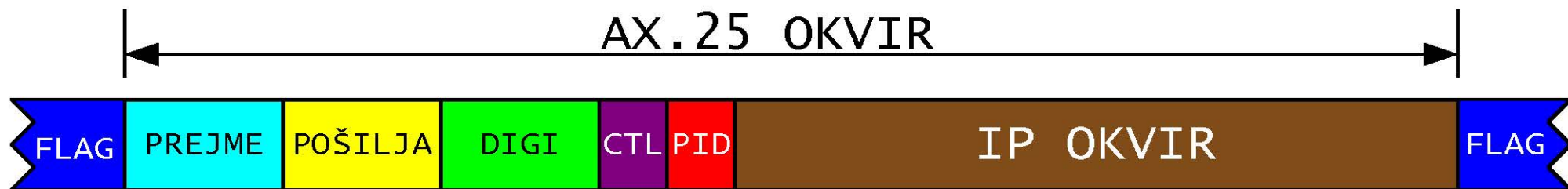


IP SKOZI AX.25

Matjaž Vidmar, S53MV

FE, Ljubljana, 14.04.2012



Omejitev: običajni IP MTU=1500, minimalni MTU=576, AX.25 podatkovno polje največ 256byte. Rešitve:
 (1) predelava AX.25 opreme za daljše okvirje,
 (2) IP drobljenje (fragmentacija) okvirjev ali
 (3) AX.25 drobljenje (fragmentacija) okvirjev.

Način DG \equiv DATAGRAM uporablja UI okvirje, PID=0xCC in AX.25 naslavljanje z digiji. Izvedba DG je preprosta. DG NE uporablja AX.25 za ponavljanje izgubljenih okvirjev. Izgube DG ne dopuščajo AX.25 drobljenja.

Način VC \equiv VIRTUAL CIRCUIT uporablja AX.25 I okvirje, PID=0x08 za drobljenje in celoten protokol AX.25. Izvedba VC je zahtevna. VC se rad zatika in zasede celoten radijski kanal, verjetno zaradi ponavljanj na TCP ravni.

UPORABNIŠKA OPREMA:

MS-DOS.PC+JNOS(KA9Q)+KISSTNC (DG in VC)

LinuxPC+AX.25+DMASCC(S57MMK) (DG in VC)

Win98PC+FlexNet+KISSTNC (DG in VC)

Win98PC+FlexNet(?) +DMASCC(S57MMK) (DG in VC)

ETNC(predeľan usmerjevalnik z AX.25) (DG in VC)

Win98/WinXP/LinuxPC+SLIPTNC (samo DG)

STREŽNIŠKA OPREMA:

MS-DOS.PC+JNOS(KA9Q)+KISSTNC (uporabniki AX.25)

LinuxPC+PROXY+AX.25+DMASCC(S57MMK) (DG in VC)

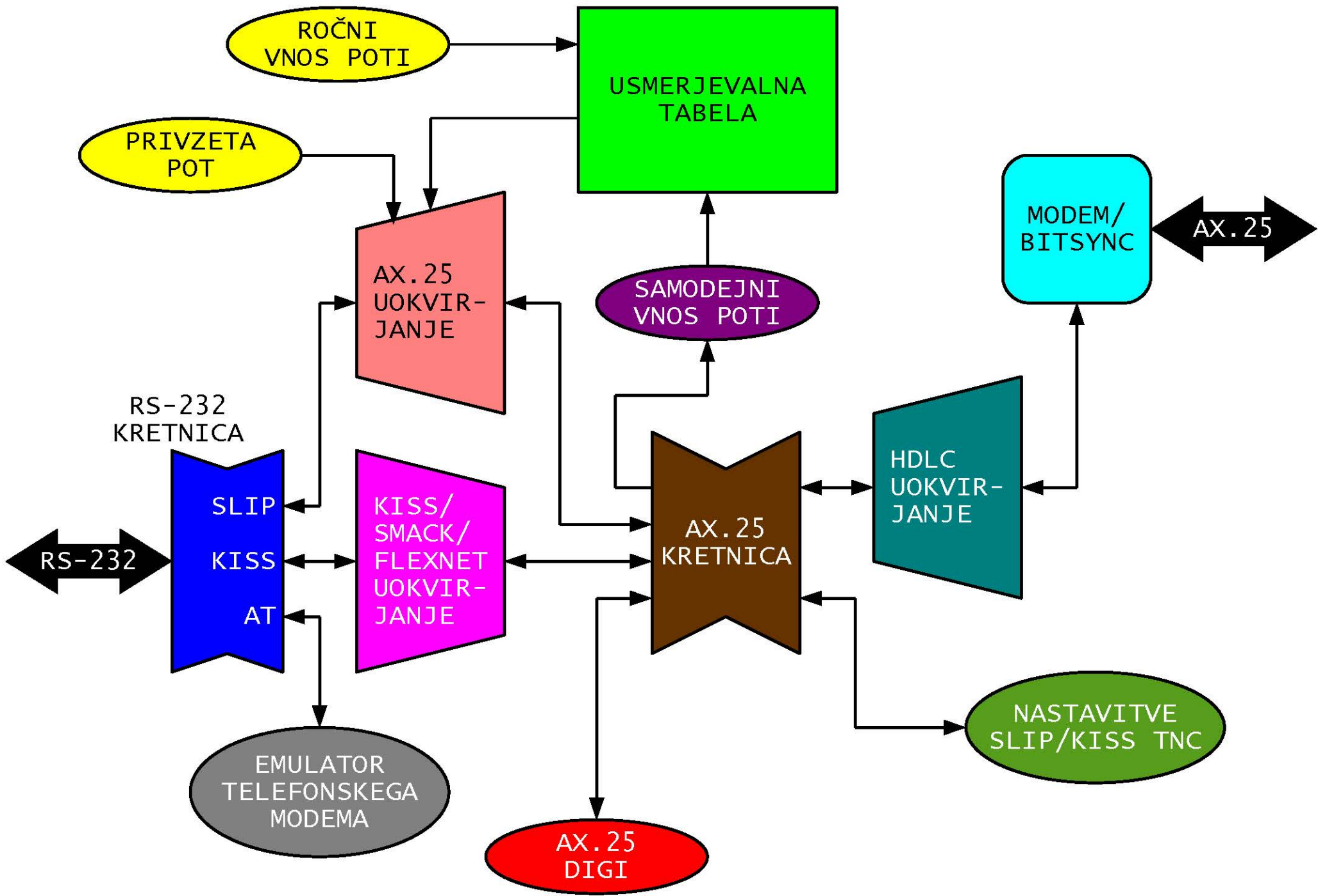
LinuxPC+NAT+AX.25+KISSTNC (DG in VC)

LinuxPC+NAT+AX.25+DMASCC(S57MMK) (DG in VC)

LinuxPC+NAT+SLIPTNC (samo DG)

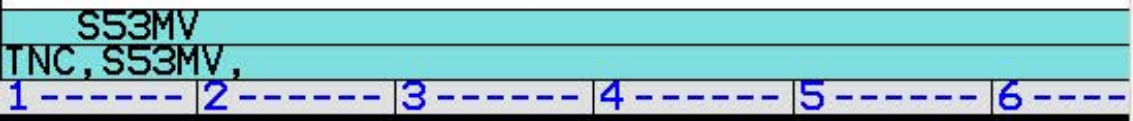
WRT54(NAT)+ETH/SLIP(EATNC)+SLIPTNC (samo DG)

OPREMA ZA IP SKOZI AX.25



SLIP/KISS TNC

#164.8.106.101 s50dxx-0 s53mv-7 s55yfh-0



WPP Version 1.50
 Minikernel: 3.3g
 0:KISS
 F:LOOP
 Config: C:\Program Files\packet\CONFIG.WPP
 Load: FLXAPI32.DLL
 Load: wsock32.dll
 Load: tcpip.dll
 und ab

T0:fm S53MV to TNC ctl UI pid F0 (41) [09:12:41]
 #164.8.106.101 s50dxx-0 s53mv-7 s55yfh-0
 R0:fm TNC to ROUTES ctl UI pid F0 (40) [09:12:42]
 164.8.106.101 S50DXX-0 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (38) [09:12:42]
 44.150.1.161 S52DS-6 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (37) [09:12:42]
 44.150.1.1 S50LEA-0 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (39) [09:12:42]
 44.150.1.200 S50BOX-6 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (39) [09:12:42]
 44.150.1.188 S57MSL-9 S53MV-7 S55YFH-8
 R0:fm TNC to ROUTES ctl UI pid F0 (38) [09:12:42]
 44.150.72.1 S50DXX-0 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (40) [09:12:42]
 44.134.177.204 IR3IP-0 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (29) [09:12:42]
 44.150.1.92 S53SM-12 S53MV-7
 R0:fm TNC to ROUTES ctl UI pid F0 (37) [09:12:42]
 44.150.8.1 S50YFE-8 S53MV-7 S55YFH-0
 R0:fm TNC to ROUTES ctl UI pid F0 (40) [09:12:42]
 164.8.106.100 S50DXX-0 S53MV-7 S55YFH-0
 R0:fm TNC to STATUS ctl UI pid F0 (139) [09:12:42]
 S53MV SSID: 7 Glava: 100 Rep: 25 Tecen: 240
 Beacon: 0 Blok: 105 Ura: 3036981460 2:FLEX 2:VPIS-DEF
 Privzeta pot: S50A0P-5 S53MV-7 S55YFH-0

FlexNet Channel Parameters

Channel	Driver	Config	TxDelay	Baudrate	Mode
0	KISS	COM4		115200	
1					
2					
3					
4					
5					
6					
7					
8					

KISS Configuration

Port: COM4

Baudrate: 115200

CRC Mode:

OK Cancel

