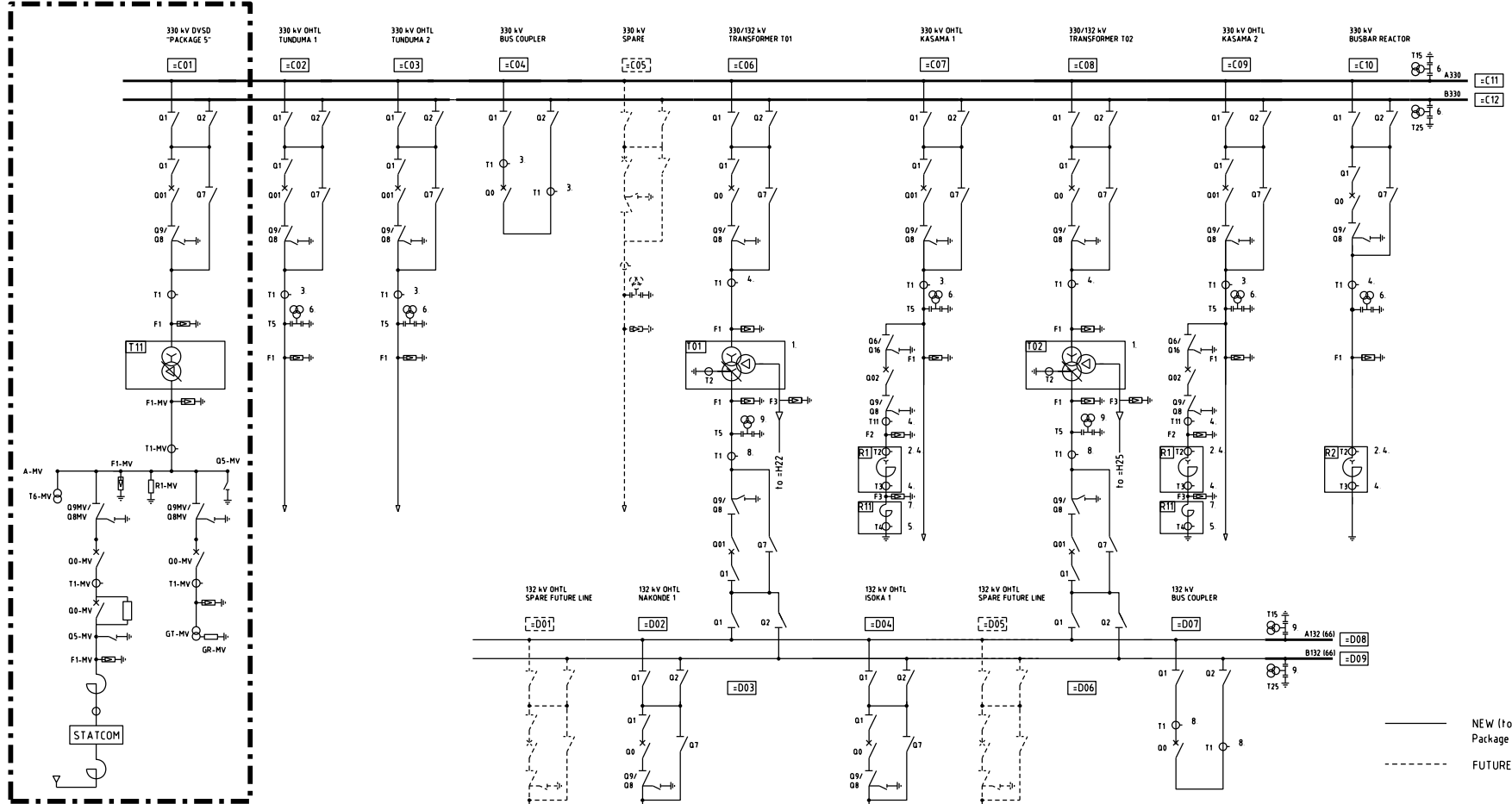


PACKAGE 5

PACKAGE 4



- 1) Main Transformer
330/132/66/11 kV, 90/90/10 MVA, YNyn0-d1, ONAN/ONAF
- 2) Line/Busbar Shunt Reactor
330 kV Single-phase, 3x10 MVar, ONAN
- 3) 330 kV Line/Bus Coupler feeder bay Current Transformer
1200-2400/1/1/1/1/1/1 A, 5P20/PX/PX/PX/PX/0.2s/0.2s, 10/10/10/10/10/5/5 VA
- 4) 330 kV Transformer/Reactor feeder bay Current Transformer
100-300/300-600/1200-2400/1/1/1/1/1/1 A, 5P20/PX/PX/PX/PX/0.2s/0.2s, 10/10/10/10/10/5/5 VA
- 5) 330 kV Neutral Earthing Reactor Current Transformer
100/1/1/1 A, PX, 30/30/30 VA
- 6) 330 kV Capacitive Voltage Transformer
330/sqr3 / 0.11/sqr3/0.11/sqr3/0.11/3 kV, 0.5(3P)/0.5(3P)/0.5(3P), 30/30/30 VA
- 7) 330 kV Neutral Earthing Reactor
35 kV, 15kVar, ONAN
- 8) 132 kV Current Transformer
300-600/600-1200 / 1/1/1/1/1/1 A, 5P20/5P20/5P20/PX/PX/0.2s/0.2s, 20/20/20/20/15/15 VA
- 9) 132 kV Capacitive Voltage Transformer
132/sqr3 166/sqr3 / 0.11/sqr3/0.11/sqr3/0.11/3 kV, 0.2(3P)/0.2(3P), 100/100 VA

— NEW (to be installed within this project)
Package 5, and Package 4

- - - - - FUTURE (not to be installed)

3	For tendering purposes only - Issued by ZESCO	Z.A.	2008-06-30
2	Adjusted Reactor coupling and busbar (1's)	100%	2019-06-12
1	Revised according to proposed substation layout	100%	2015-06-18
Rev. no.	Revision	Appl.	Date



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Project Zambia - Tanzania Interconnector Project (ZITP)				SWECO International reference 10600351		
Prepared T. Bergman	Rev. no. 29003	Scale -	Title NAKONDE 330/132/66/11 kV SUBSTATION		Revised 1	
Approved L. Andersson	Date 2025-09-10	Format A3	SINGLE LINE DIAGRAM, PACKAGE 4 & 5		Sheet 1	
Document No. NAK-R001-111				Cont 2		