D WBS Ta	ask Name	Duration	Start	Finish	Resource Names Aug	Sep	2020 Qtr 4	NI	2021		14
1 <b>1</b> I	nterlocking Tool	117 days?	Fri 20/09/04	Mon 21/02/15	Names Aug	Sep	Oct	Nov	Dec	Jan Feb	Mai
2 1.1	Request & inception	14 days	Fri 20/09/04	Wed 20/09/23			<b>-</b>				
3 1.1.1	Customer request	1 day	Fri 20/09/04	Fri 20/09/04	Rishi	Rishi					
4 1.1.2	Project plan	10 days	Mon 20/09/07	Fri 20/09/18	Tjaart		Tjaart				
5 1.1.3	Team kick-off meeting	1 day	Wed 20/09/16	Wed 20/09/16	Tjaart	M 7	Гjaart				
6 1.1.4	Create project folder	1 day	Wed 20/09/16	Wed 20/09/16	Tjaart	N 7	Гjaart				
7 1.1.5	Register BOC for 1.2-1.3	3 days	Mon 20/09/21	Wed 20/09/23	Tjaart		<b>Tjaart</b>				
8 1.2	Definition & Approval	55 days	Mon 20/09/21	Fri 20/12/04		ı			<del></del> 1		
9 <b>1.2.1</b>	Stakeholders engagement	8 days	Wed 20/09/23	Fri 20/10/02	Teboho,Tj						
10 <b>1.2.1.1</b>	TL to engage with Quinton Labuschagne to understand earthing	8 days	Wed 20/09/23	Fri 20/10/02	Teboho		· .				
11 1.2.1.1.1	Workshop with Quinton	1 day	Mon 20/10/19	Mon 20/10/19	Tjaart		M T	jaart			
12 1.2.1.2	Compile generic interlocking rule philosophies (not specific to Eskom)	10 days	Mon 20/09/21	Fri 20/10/02	Teboho	1	Teboho				
13 1.2.2	Gather business cases	10 days	Mon 20/09/21	Fri 20/10/02	Teboho		Teboho				
14 1.2.3	Register URS doc	2 days	Mon 20/09/28	Tue 20/09/29	Tjaart		<b>¡</b> Tjaart				
15 1.2.4	Compile User Requirement Spec	10 days	Mon 20/09/28	Fri 20/10/09	Tjaart		Tjaart				
16 1.2.5	Submit URS for SCOT comments	1 day	Thu 20/10/22	Thu 20/10/22	Tjaart		W	Tjaart			
17 1.2.6	Submit URS for peer review	7 days	Thu 20/10/22	Fri 20/10/30	Tjaart		D	Tjaart			
18 1.2.7	SCOT formal comments	21 days	Sun 20/11/01	Fri 20/11/27	Tjaart				Tjaart		
19 1.2.8	Customer sign off on URS	5 days	Mon 20/11/30	Fri 20/12/04	Tjaart				Tjaart		
20 1.2.9	Submit URS for publishing	1 day	Fri 20/12/04	Fri 20/12/04	Tjaart				<b>∥</b> Tjaart		
21	Analysis & Investigation	50 days	Mon 20/09/28	Fri 20/12/04					<del></del>		
22 <b>1.3.1</b>	Available development tools investigati	o 1 day	Mon 20/09/28	Mon 20/09/28	Teboho,Tj		m				
23 1.3.1.1	Workshop: Theun's interlocking tool	1 day	Mon 20/09/28	Mon 20/09/28	Teboho,Tj		<b>■</b> Teboho,Tjaa	rt			
24 <b>1.3.2</b>	Development tool analysis against URS	-	Fri 20/10/09	Fri 20/10/30	Teboho,Tj						
25 1.3.2.1	Teboho to review an Excel program T\	•	Mon 20/10/12		Teboho			boho 			
26 1.3.2.2	TV to research other developing softw	•	Mon 20/10/26		Tjaart			Tjaart			
27 1.3.3	Research Eskom interlocking rule philosophies to be implemented in the interlocking tool	19 days	Mon 20/09/28	Thu 20/10/22	Tjaart			Tjaart			
28 1.3.4	Close out BOC item 1.1.5	1 day	Fri 20/12/04	Fri 20/12/04	Tjaart				<b>∥</b> Tjaart		
29	Design	18 days	Mon 20/11/02						$\neg$		
30 1.4.1	Register BOC for 1.4-1.6	1 day	Mon 20/11/02		Tjaart			<b>∥</b> Tjaart	~		
31 1.4.2	Create interlocking tool process flow	10 days	Mon 20/11/09		Teboho				Teboho		
32 1.4.3	Functional design methodology	10 days	Mon 20/11/09		Tjaart				Tjaart		
33 1.4.4	Present proposed design to customer	3 days	Mon 20/11/23		Tjaart				Tjaart		
34 <b>1.5</b>	Development of interlocking Tool	50 days	Mon 20/11/23								
35 <b>1.5.1</b>	Tool input	7 days	Mon 20/11/23						Tiport		
36 1.5.1.1	Develop input template for interlocking	-	Mon 20/11/23		Tjaart				Tjaart		
37 <b>1.5.2</b>	Interlocking rule generate automation	13 days	Wed 20/12/02	Fri 20/12/18							
	Task	P	roject Summary		Manual Task		Start-only	Е	Deadline	•	
Project: Interlocki		lr	nactive Task		Duration-only		Finish-only	3	Progress		
Date: Fri 20/10/23	3 Milestone ◆	Ir	nactive Milestone		Manual Summary Rollup		External Tasks		Manual Progress		
	Summary	l Ir	nactive Summary		Manual Summary		External Milestone	$\Diamond$			
					Page 1						

ID	WBS	Task Name	Duration	Start	Finish	Resource			2020 Qtr 4		2021			
						Names	Aug	Sep	Oct	Nov	Dec		eb	Ма
38	1.5.2.1	Develop software functions to generate rules based on input	13 days	Wed 20/12/02	Fri 20/12/18	Tjaart		·		I	Tjaart			
39	1.5.2.2	Develop manual rule addition/alterca	tic13 days	Wed 20/12/02	Fri 20/12/18	Tjaart					Tjaart			
40	1.5.3	Tool output	15 days	Mon 21/01/04	Fri 21/01/22									
41	1.5.3.1	Develop interlocking export function	t 15 days	Mon 21/01/04	Fri 21/01/22	Tjaart						Tjaart		
42	1.5.3.2	Develop interlocking export function	> x											
43	1.5.4	Testing Interlocking Tool	10 days	Mon 21/01/04	Fri 21/01/15						_	$\neg$		
44	1.5.4.1	Back test Pinotage	10 days	Mon 21/01/04	Fri 21/01/15	Tjaart						Tjaart		
45	1.5.4.2	Back test Groeipunt	10 days	Mon 21/01/04	Fri 21/01/15	Tjaart						Tjaart		
46	1.5.4.3	Back test Dinaledi	10 days	Mon 21/01/04	Fri 21/01/15	Tjaart						Tjaart		
47	1.5.5	Update interlocking tool - feedback loo	p 10 days	Mon 21/01/18	Fri 21/01/29									
48	1.5.5.1	Rapid prototype interlocking tool soft	w 10 days	Mon 21/01/18	Fri 21/01/29	Tjaart						Tjaart		
49		Release Interlocking tool - beta	11 days	Mon 21/02/01	Mon 21/02/15								1	
50	1.6.1	Provide Interlocking tool to stakeholder for testing	s 10 days	Mon 21/02/01	Fri 21/02/12	Tjaart							Tjaart	
51	1.6.2	Close out BOC item 1.4.1	1 day	Mon 21/02/15	Mon 21/02/15	Tjaart							Tjaart	
52		Develop Guidelines						•						
53	1.7.1	Application Guideline				Tjaart								
54		Training						•						
55	1.8.1	Develop training material				Tjaart								
56	1.8.2													