Contract/Agreement Reference	Project Type (See Comments to Select Type)		Relevant Calendar Year - Project Start Date	Title of Procurement Project (for procurement contracts only)	Description of Goods/Services/Works
					Call Off Contract for Quantity Surveyor and ancillary services, ie covers
N/01/19		N	2019	Consultancy	various different projects arising during this contract term.
RFQ/09/20	RFQ	N	2020	Human Resources	Supply of Temporary Communcations and Media Officer
RFQ/02/20	RFQ	N	2020	Human Resources	Supply of Temporary staff
T/08/12	T	Y	2012	Information Communication Technology	Provision of HR / PAYROLL / FINANCE applications.
RFQ/08/18	AO	N	2018	Information Communication Technology	Moditech crash recovery system licenses
RFQ/28/17	T	N	2017	Not Elsewhere Classified	Supply of batteries
	AO	N	2013		Dog excrement collection.
N/01/17	Т	Y	2008	Vehicle Management	Services-Long Term capability management (National Resilience)
RFQ/03/18	RFQ	N	2018	FRS - Specialist Equipment	Supply of Technical Rescue Jackets
T/14/17	Т	Υ	2017	FRS - Specialist Equipment	Supply of firecoats and overtrousers to NW FRS's
RFQ/06/17	RFQ	N	2017	Stationery	The provision of office supplies and equipment
T/03/14	Т	N	2015	Facilities & Management Services	Building and Facilities management services
RFQ/14/18	RFQ	N	2018	Consultancy	Provision of LED Lighting Design Consultancy services
RFQ/34/19	RFQ	N			DIM Support
RFQ/33/19	RFQ	N	2020		Scientific support
T/10/17	Т	Υ	2018	Consultancy	Scientific Training Services-Assisting NR Training Delivery
RFQ/20/19	RFQ	N	2019	Human Resources	Recruitment services
RFQ/26/17	RFQ	N	2018	Information Communication Technology	Toughpads/Goods
					Supply of aftermarket supplies and components for passenger cars and light
T/13/17	Т	N	2017	Vehicle Management	goods vehicles
RFQ/70/10	RFQ	N	2010	Information Communication Technology	Hosting service agreement software S&M Agreement CIPFA T&C.
RFQ/17/19	RFQ	N	2019	Information Communication Technology	Civica/Tranman system upgrade support and software licence.
					LED Lighting upgrade at 5 Fire Stations (plus ongoing call off arrangements for
T/04/18	Т	N	2018		similar future jobs)
RFQ/19/19	AO	N	2019	Consultancy	Provision of M&E consultancy services for St Helens
RFQ/18/18		N	2018	Not Elsewhere Classified	Provision of travel management services
RFQ/4/16	RFQ	N	2016	FRS - Specialist Equipment	Supply of fire hoods to NW.
T/03/16	Т	N	2016		Provision of E-Learning platform & management systems
RFQ/05/19	RFQ	N	2019		Supply of 11 Type B pumping appliances
T/08/15	Т	N	2015	Human Resources	Provision of physiotherapy services.
RFQ/23/19	RFQ		2018	FRS - Specialist Equipment	Supply of ladders
CON/02/19	AO	N	2019	Consultancy	Consultancy providing QA for NW PPE project

T		Τ	Ι	T	personnel to deal with trauma care for casualties involved at incidents
T/00/47	т		2010	Consultana	·
T/08/17	I	Y	2018	Consultancy	including emergency medical response Fuel management system and tank upgrade works on behalf of MFRA and
T/04/17	Т	Y	2017	Vehicle Management	LCFA
RFQ/4/16	RFQ	N	2016	FRS - Specialist Equipment	Supply of pull on leather fireboots and QR tall boots to NW.
RFQ/19/17	RFQ	N	2017	Consultancy	Rates revaluation consultancy services.
RFQ/21/19	RFQ	N	2019	Consultancy	Property valuation services
T/07/17	T	Y	2017	Not Elsewhere Classified	Supply of OECM replacement parts and components for Scania Vehicles
T/09/16	<u>'</u> Т	N	2017	Human Resources	Provision of Employee assistance Programme
T/04/19	! Т	Y	2010	riuillali nesources	Provision of Occupational Health Medical Services
· · ·	· · · · · · · · · · · · · · · · · · ·	<u>'</u>			Legal case management application
RFQ/29/19	RFQ	N	2019	Net Fleaville are Clearified	Provision of access control solution installation services
T/13/16	T	 '	2016	Not Elsewhere Classified	
RFQ/27/19	AO	N	2019	Not Elsewhere Classified	Vehicle auction services
RFQ/18/19	RFQ	N	2019		DIM instructor-training services
RFQ/28/19	RFQ	N	2019	FRS - Specialist Vehicles	Supply of 7 Kia Sportage 4x4 response cars
DEO /04 /4 7	DEO		2017	Information Communication Tackwalens	Provision of goods and/or services relating to multifunctional devices and
RFQ/04/17	RFQ	N	2017	Information Communication Technology	services, managed print services.
RFQ/30/19	RFQ	N	2019	Vehicle Management	Leasing of standard build vehicles for Blue Light Officers.
T/02/19	AE	N	2019		For the provision of treasury management services.
T/06/19	T	N	2019	Consultancy	Provision of Internal audit services.
RFQ/22/19	RFQ	N	2019	Vehicle Management	Supply and fit of tyres
T/1/19	Т	N	2019	FRS - Specialist Vehicles	BA & Mobile Compressor servicing & maintenance
T/05/17	Т	Y	2017	FRS - Specialist Equipment	Supply of fire helmets & associated spares to NW FRS's
RFQ/11/19	RFQ	N	2019	Not Elsewhere Classified	Provision of 6 Food and Drinks Vending machines at the SHQ
RFQ/12/19	RFQ	N	2019	Not Elsewhere Classified	Provision of 3 Food and Drinks Vending machines at the TDA
RFQ/07/19	RFQ	N	2019	FRS - Specialist Equipment	Supply of Water rescue PPE and repairs for 4 NW FRS's.
T/06/18	T	N	2019	The Specialist Equipment	Fire risk assessment services
					Software licence agreement re Online NVQ assessment (Nomad, Ignite and
RFQ/16/15	AO	N	2015		Primate Software as a Service Agreement)
RFQ/10/17	RFQ	N	2017		Website Design
T/08/15	Т	N	2015	Human Resources	The provision of physiotherapy services.
T/08/15	Т	N	2015	Human Resources	Provision of physiotherapy services.
FQ/36/19	AO	N	2019	Human Resources	Provision of job evaluation software
RFQ/29/11	AO	N	2011	Human Resources	Gauge Technical and Evaluator Training
G/07/18	AO		2018		Princes Trust team agreement.Programme to help disadvantaged young people achieve their potential.
G/05/18			2019		Agreement to grant MFRA Prince's Trust approved centre two year extension
T/01/2020	T	N	2020		Vesty Transport Workshops Replacement Floor (Supply & Install)
T/02/17	T	Υ	2017	FRS - Specialist Equipment	Supply of gas tight suits, spares and servicing
NWFRS-T/07/17	T	N	2018	FRS - Specialist Equipment	Purchase of thermal imaging cameras
- 1-1:			<u> </u>	- share as darkmana	For the provision of a time & resource management application & associate
T/04/13	T	Υ	2013	Information Communication Technology	services.
RFQ/25/17	RFQ		2017		Half hourly meter operator
T/06/16	Т	N	2016	Vehicle Management	The provision of vehicle repair services
T/03/19	AO	N	2019	Education	Apprenticeship functional skills training services
RFQ/24/19	RFQ		2018	FRS - Specialist Equipment	Supply of ladders

DEO /07 /40			2040	I specialists in	C I C I DDS I I C NUMEDO
RFQ/07/19	RFQ	N	2019	FRS - Specialist Equipment	Supply of water rescue PPE and repairs for NW FRS's
T/06/15	T	Υ	2015	Information Communication Technology	ICT Managed Services.
RFQ/67/10	RFQ	N	2011	Not Elsewhere Classified	Welfare at incidents.
T/04/16	Т	N	2016	Not Elsewhere Classified	Supply of fire resistant bedding
CON/02/18		N	2018		Call Off Contract for Quantity Surveyor building consultancy services.
RFQ/8/20	AR	N	2020	Not Elsewhere Classified	Maintenance of Vehicle Lifts
RFQ/25/16					Microsoft Licensing
T/01/19	AE	N	2019	Consultancy	Device management solution consultancy
CON/01/17	AE	N	2017	Consultancy	Device management solution consultancy
RFQ/07/19	RFQ	N	2019	FRS - Specialist Equipment	Supply of Water rescue PPE and repairs for 4 NW FRS's.
RFQ/18/15	RFQ	N	2015	Not Elsewhere Classified	Provision of eyecare vouchers
T/12/17	Т	N	2017	Not Elsewhere Classified	Supply of OEM replacement parts and components for Iveco vehicles
14/04/40			2040		Decision and build assets at fau Chillalana Fina Chatian
M/01/19		N	2019	Works - Construction, Repair & Maintenance	Design and build contract for St Helens Fire Station
RFQ/1/19	AR	N	2019	Human Resources	Provision of vaccinations and inoculations to ISAR Personnel
CON/04/16		N	2016	Human Resources	Provision of dietary and nutritional consultancy services.
RFQ/05/18	RFQ	N	2018	Clothing	Supply of day boots
RFQ/02/18	RFQ	N	2018	Clothing	Supply of polo shirts
RFQ/17/18	RFQ	N	2018	Cleaning	Provision of janitorial products and cleaning products.
M Q 17/18	ΝQ	14	2010	Cleaning	Provision or junctinal products and cleaning products.
+					
+					
1					
		1			
					
+					

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

			 	
			 	
-		l		

Supplier(s)	Procurement Contract Manager (or Legal Person if relevant)	Service Department	Contract Length (Initial Term) (Years)	Contract Start Date	Contract Expiry Date	Optional Extension Period (if applicable) (Years)	Extension Period Taken (Years)	Revised Contract Expiry Date	Archive Reference Number (to be used to note hard	Trigger Date for Contract Renewal (if applicable)
Rider Levett and Bucknall UK Ltd(Novation-Todd &										
Ledson LLP)	Crystal Atkinson	Estates	3	01/05/2019	27/03/2021	1				31/10/2020
Adecco	Stewart Martin		6 Months	06/07/2020	01/01/21	6 Months				01/12/2020
Adecco	Stewart Martin		1	01/07/2020	30/06/21	1				01/01/2021
Advanced Business Software and Solutions Ltd	Sharon Matthews	Finance	5.33	01/05/2013	31/08/2018	N/A		31/08/2021		01/08/2017
Airbus Defence & Space formerly Astrium	Lindsey Savage	ICT		01/05/2018		No				N/A
Allbatteries UK Ltd	Stewart Martin		2	01/12/2017	30/11/2019	2		12/12/2020		01/04/2020
B & M Waste Services	Tracey Ganly	Estates		01/11/2013	N/A	N/A				01/03/2015
Babcock Critical Services Ltd Ballyclare Ltd	Tracey Ganly Lindsey Savage	Tracey Ganly Ops Response	16	25/07/2008 01/02/2018	30/09/2024 31/01/2021	4 1				01/01/2021 01/02/2020
Ballyclare Ltd	Lindsey Savage		3	20/08/2018	19/08/2021	1				01/01/2021
Banner Business Services Ltd	Stewart Martin	Corporate	2	01/08/2017	31/07/2019	2	2	31/07/2021		01/01/2021
Bouygues Brent J.Sampson Lighting Design Services Ltd	Sharon Matthews Crystal Atkinson	Estates Estates	5 2 yrs 3 mnths	01/07/2015 01/10/2018	30/06/2020 31/12/2020	2	1	30/06/2021		01/01/2020
Bureau Veritas	Lindsey Savage		2	01/12/2019	30/11/2021	No				01/09/2021
Bureau Veritas	Lindsey Savage		3	01/01/2020	31/12/2022	No				01/09/2022
Bureau Veritas	Linda Fairweather		3	22/02/2018	22/02/2021	2			T/10/17	01/09/2020
Capita Resourcing	Stewart Martin	Strategy & Performance	2	01/08/2019	31/07/2021	N/A				N/A
Centerprise	Stephen Ashton	ICT		21/10/2018	N/A	N/A				N/A
CES The Parts Alliance Group trading as CES (UK) Ltd	Stewart Martin	Fleet	2	01/02/2018	31/01/2020 Continuous until	2	1	31/01/2021		01/08/2020
CIPFA Business Ltd	Lindsey Savage	Finance	Continuous	18/02/2011	terminated	N/A				18/02/2015
Civica UK Ltd	Stewart Martin	Fleet	8	01/12/2019	30/01/2024	2				01/06/2023
Cox & Tyrer	Crystal Atkinson	Estates	6 Months	22/11/2018		2				31/12/2021
Davies Partnership	Sharon Matthews	Estates	2	05/07/2019	04/07/2021					04/01/2021
Diversity Travel Ltd	Stewart Martin	Corporate	2	01/12/2018	30/11/2020	2				01/06/2020
Eagle Technical Products	Lindsey Savage		3	01/11/2016	30/10/2019	Yes	1	30/10/2020		01/07/2020
EFireservice Limited (Learnpro)	Crystal Atkinson	TDA	3	01/05/2016	30/04/2019	2		30/04/2022		30/09/2020
Emergency One (UK)Ltd	Stewart Martin	Fleet	18	01/10/2019	30/03/2037	NA				NA
Fairfield Physiotherapy	Stewart Martin		3	01/12/2015	30/11/2018	2	2	30/11/2020		01/04/2020
Fire Ladders Ltd	Lindsey Savage		2	01/08/2018	30/07/2020	2		30/07/2021		01/05/2021
Fi-Tec Services	Lindsey Savage		2	01/09/2019	31/08/2021	1				01/07/2021

Frontier Risk Group Ltd	Linda Fairweather	TDA	3	09/04/2018	09/04/2021	2			T/08/17	01/10/2020
Fueltek Ltd	Crystal Atkinson	Ops Preparedness	5.5	01/12/2017	31/05/2023	2				30/11/2022
Goliath Footwear Limited	Lindsey Savage		3	01/12/2016	30/11/2019	Yes	1	30/11/2020		01/07/2020
GVA Grimley Limited	Crystal Atkinson	Estates	4.5	020/09/2017	31/03/2022	N/A				N/A
Hardie Brack Ltd	Crystal Atkinson	Estates	4.5	08/08/2019	31/03/2024	2				31/12/2023
Haydock Commercial Vehicles Ltd	Stewart Martin	Fleet	2	01/10/2017	30/09/2019	2	2	08/10/2021		01/04/2021
Health Assured Ltd	Stewart Martin		3	01/02/2017	31/01/2020	2		31/01/2022		01/04/2021
Healthwork Ltd	Stewart Martin		5	01/04/2020	31/03/2025	5				01/06/2024
Iken	Sharon Matthews	Legal		30/11/2019	29/11/2020	1				01/06/2020
Integrated Communication Systems Ltd	Stewart Martin	Estates	2	01/06/2017	31/05/2019	2	2	01/11/2020		01/11/2020
Iron Planet	Stewart Martin	Fleet	2	01/11/2019	31/10/2021	N/A				N/A
J & D Fire Consultancy Ltd	Lin Fairweather		1	02/09/2019	02/09/2020	1			RFQ/18/19	02/07/2020
Kia Motors (UK) Ltd	Stewart Martin	Fleet	6 Months	03/11/2019	31/10/2022	N/A				N/A
Konica Minolta Business Solutions (UK) Ltd	Stewart Martin	ICT	5	29/07/2017	28/07/2022	N/A				01/08/2021
Lex Autolease Ltd	Lindsey Savage	Fleet	4	14/10/2019	14/10/2024	None				01/03/2024
Liverpool City Council	Sharon Matthews	Finance	5	01/04/2019	31/03/2022	31/03/2024				31/10/2021
Liverpool City Council	Sharon Matthews	Finance	5	01/04/2019	30/03/2024	12 Months				30/04/2023
Michelin/ATS	Stewart Martin	Fleet	1	01/09/2019	10/10/2020	N/A				01/05/2020
Motivair Compressors Ltd(formerly Central										
Compressor Consultants Ltd)	Lindsey Savage	Operational Equipment	3	15/04/2019	14/04/2022	1	0			01/02/2022
MSA Britain Ltd	Lindsey Savage		3	19/09/2017	18/09/2020	1				01/09/2020
North West Vending Ltd	Stewart Martin		1	1.6.19	31.5.20	1		31/05/2021		01/02/2021
North West Vending Ltd	Stewart Martin		1	1.6.19	31.5.20	1		31/05/2021		01/02/2021
Northern Diver Ltd	Lindsey Savage		3	28/10/2019	27/10/2022	1				01/09/2022
Oak Leaf Surveying Ltd	Crystal Atkinson	Estates	4	12.4.19	31.3.23	2				31.12.22
			one year but							
			this will							
			automatically		No end date,					
			continue unless		annual auto					
			and until we		re-new until	_				
Onefile Limited	Crystal Atkinson	POD	terminate it, but		terminated	N/A				N/A
Ph Creative Limited	Lindsey Savage		<u> </u>	1.12.17		1		ļ		N/A
Physio.Co.UK (TX Group)	Stewart Martin		3	01/12/2015	30/11/2018	2	2	30/11/2020		01/04/2020
Physiotherapy Centre (Liverpool) Ltd	Stewart Martin		3	01/12/2015	30/11/2018	2	2	30/11/2020		01/04/2020
Pilat Europe Ltd	Stewart Martin	POD	3	14/11/2019	13/11/2022	N/A				01/06/2022
Pilat HR Solutions	Stewart Martin	POD	1	08/12/2011						01/10/2018
Prince's Trust	Stephen Ashton		3	01/06/2018	31/05/2021					
Prince's Trust	Crystal Atkinson	Prevention & Protection	1	01/04/2019	31/03/2021	N/A				31/12/2020
Q Flooring Systems Ltd	Crystal Atkinson	Estates	6 Weeks	20/06/2020	31/07/2020	N/A				N/A
Respirex International Ltd	Lindsey Savage		3	11/09/2017	10/09/2020	1				01/06/2020
Rosenbauer UK Ltd	Lindsey Savage		33 Months	11/06/2018	21/02/2021	2				02/01/2021
Sequel Business Solutions Limited	Sharon Matthews	Ops Preparedness	4.33	01/05/2014	31/08/2018	N/A		31/08/2021		30/05/2021
SP Dataserve Ltd	Sharon Matthews	Estates	5	01/04/2017	01/04/2022	No				01/01/2022
SR Motorbody Ltd	Stewart Martin	Fleet	3	01/08/2016	31/07/2019	2 x 1 Years	2	31/07/2021		01/01/2020
St Helens College (part of SK Group)	Lin Fairweather	POD	1	05/09/2019	05/09/2020	2		, , , , , , , , ,	None	03/08/2020
Supply Plus Ltd	Lindsey Savage	-	2	01/08/2018	30/07/2020	2				01/05/2020

Survitec Group Ltd	Lindsey Savage		3	28/10/2019	27/10/2022	1				01/09/2022
Telent Technology Services	Tracey Ganly	ICT	5	01/04/2016	31/03/2021	5	3	31/03/2024		28/09/2023
The Salvation Army	Sharon Matthews	Corporate		21/01/2011	N/A	N/A				N/A
Thomas Kneale & Co Ltd	Stewart Martin	Prevention & Protection	3	01/06/2016	31/05/2019	2		31/05/2021		01/01/2021
Todd & Ledson LLP	Crystal Atkinson	Estates	3	28/03/2018	27/03/2021	1		0 = 7 0 0 7 = 0 = 0		31/10/2020
otalkare Heavy Duty Workshop Solutions Ltd	Stewart Martin	Fleet	1	27/05/2020	26/05/2021	N/A				N/A
Trustmarque	Sharon Matthews	ICT	3	16/12/2016	15/12/2019	,		15/12/2021		N/A
Trustmarque Solutions Ltd	Sharon Matthews	ICT	Project specific	05/06/2019	10, 11, 1010	No		137 127 1311		,,,
Trustmarque Solutions Ltd	Stewart Martin	ICT	N/A	15/05/2017	N/A	N/A	+		<u> </u>	N/A
Typhoon International Ltd	Lindsey Savage	101	3	28/10/2019	27/10/2022	1				01/09/2022
Vision Express Ltd	Stewart Martin	POD	Ongoing	01/06/2015	Ongoing	N/A	1			N/A
Walton Summit Truck Centre Ltd	Stewart Martin	Fleet	2	01/11/2017	31/10/2019	2	1	31/10/2020		01/04/2020
	Stewart Wartin	ricet		01/11/2017	31/10/2013			31/10/2020		01/04/2020
Wates Construction Ltd	Crystal Atkinson	Estates		27/08/2019		1				N/A
Well Travelled Clinics Ltd	Stewart Martin		1	01/01/2019						01/11/2020
						2 x 1 Year				
Wendy Griffin	Stewart Martin		3	25/07/2016	24/07/2019	2 x 1 year Extensions	2	24/07/2021		01/04/2021
Wm Sugden & Sons Ltd	Lindsey Savage		3	01/08/2018	31/07/2021	1		24/07/2021		01/04/2021
Wm Sugden & Sons Ltd			3	19/11/2018	18/11/2021	1	+	1	-	01/02/2021
Wray Bros Ltd	Lindsey Savage		+				+	1	-	
Wray Bros Ltu	Stewart Martin		2	13/09/2018	31/08/2020	2				01/04/2020
								1		
								1		
			1	1			1	1	1	
			1				1	1	1	
			+				 	1	 	

		-					
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	1		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
					ļ		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	<u> </u>		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

		-					
					I		
		 	 	 	 		
			<u> </u>	_	<u> </u>		
			<u> </u>	_	1		
		+					
		+					
		ļ	ļ	ļ	ļ		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
			1		1		
		ļ	ļ	ļ	ļ		
			1		1		
		-	<u> </u>	-			
		 <u> </u>	<u> </u>	<u> </u>	<u> </u>		
		-		-			
			1		1		
		 		 	 		
			1		1		
						I	

	l	l			
		l			
	l	l			