

APPENDIX 5
Specified Line Upgrade Milestones

	Pre-Implementation		Implementation				JTC Delivery
	Definition of Work Package Plan	Finalisation of Preliminary Design	Test running of pre-production trainsets on Derby Test track complete	One Train accepted to run on LUL In traffic hours	HMRI no-objection to run new stock in passenger service on new signalling		
SSL2010 Upgrade	16 February 2005	16 August 2005 Completion of generic Rolling Stock design and systems integration	11 June 2008 Test certificate issued	25 June 2009 A Stock test commences	16 September 2009 Full approval for first tranche of "A" stock (HMRI non-objection)	3 March 2012 Latest date to meet contractual commitments	
SSL 2013 Upgrade	16 February 2005	16 August 2005 Completion of generic Rolling Stock design and systems integration	10 July 2008 Test certificate issued	6 July 2010 C Stock test commences	16 February 2012 Full approval for "C" Stock (HMRI on objection) – all resignalled Northern SSL	28 February 2015 Latest date to meet contractual commitments	
SSL 2016 Upgrade	16 February 2005	16 August 2005 Completion of generic Rolling Stock design and systems integration	8 August 2008 Test certificate issued	3 August 2010 D Stock test commences	12 June 2014 Full approval "D" Stock (HMRI non-objection) – all Southern SSL resignalled (except Richmond branch)	3 March 2018 Latest date to meet contractual commitments	