



Programme Area: Buildings

Project: Building Supply Chain for Mass Refurbishment of Houses

Title: Appendix 2 – External Wall Process Map

Abstract:

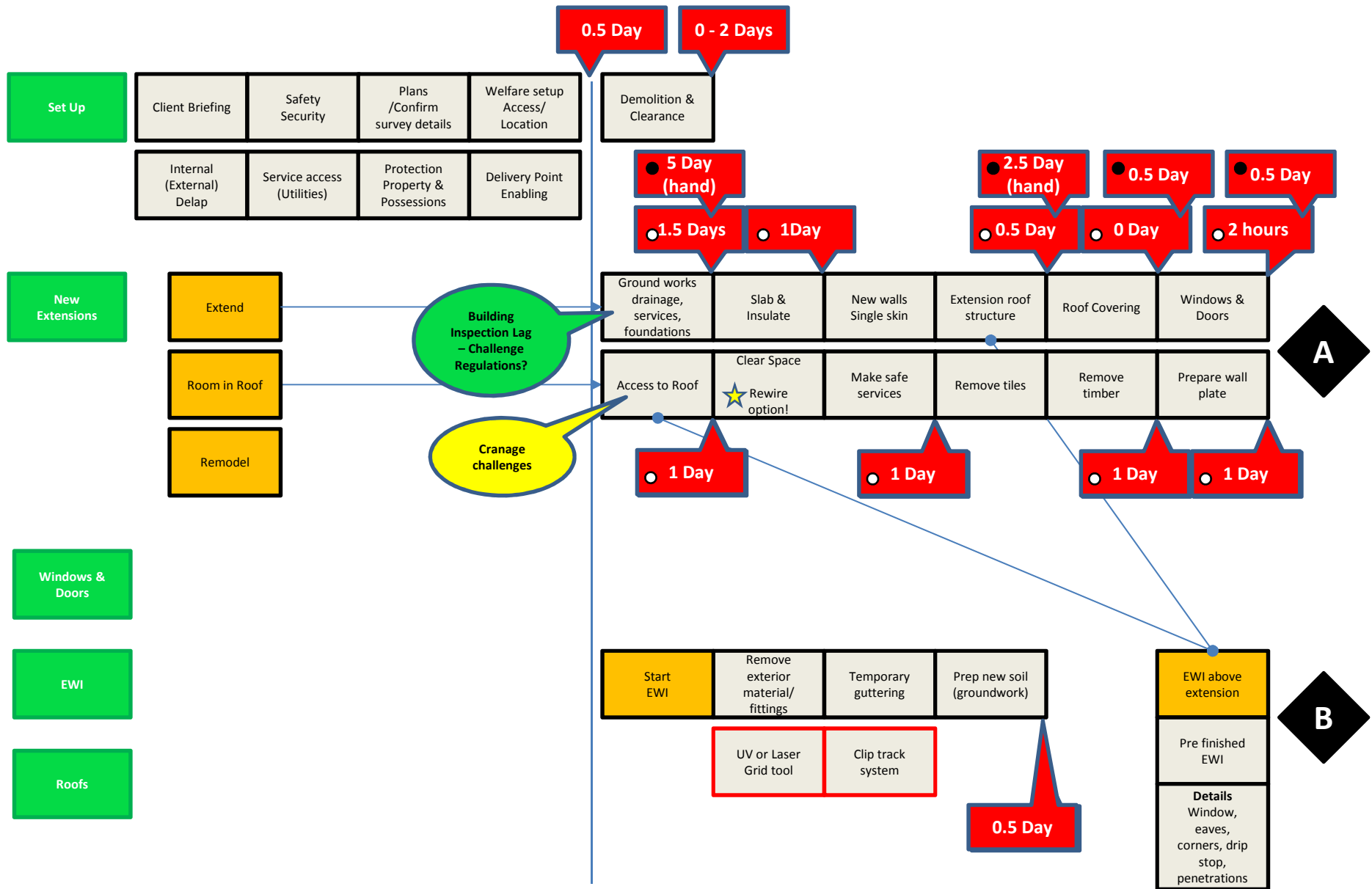
Please note this report was produced in 2011/2012 and its contents may be out of date. This document is an appendix of Deliverable 4.2 – Draft Supply Chain Scenarios.

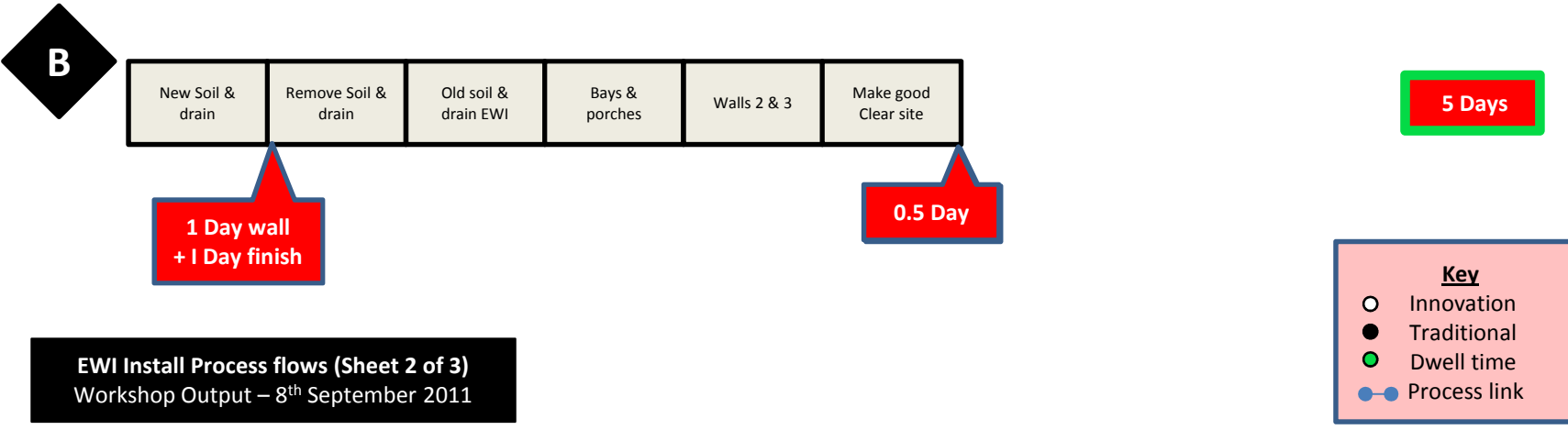
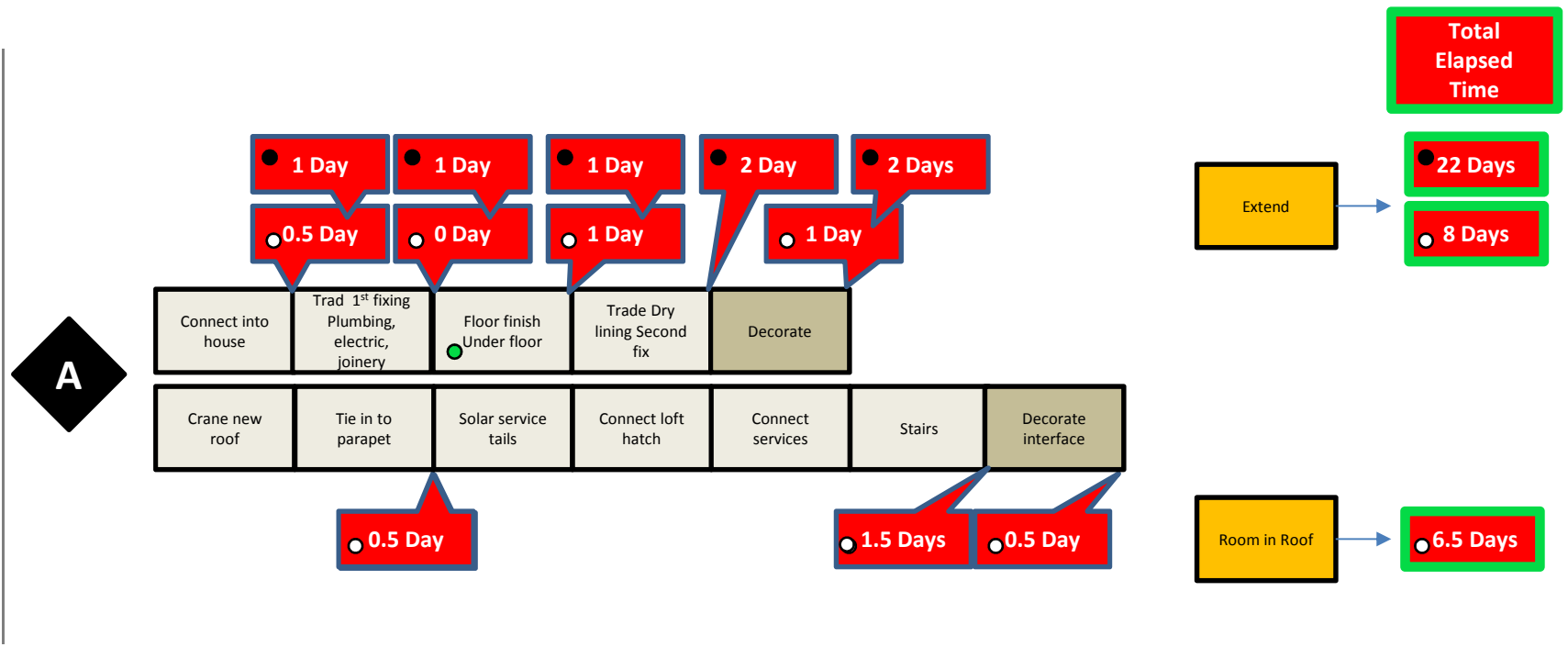
Context:

This project looked at designing a supply chain solution to improve the energy efficiency of the vast majority of the 26 million UK homes which will still be in use by 2050. It looked to identify ways in which the refurbishment and retrofitting of existing residential properties can be accelerated by industrialising the processes of design, supply and implementation, while stimulating demand from householders by exploiting additional opportunities that come with extensive building refurbishment. The project developed a top-to-bottom process, using a method of analysing the most cost-effective package of measures suitable for a particular property, through to how these will be installed with the minimum disruption to the householder. This includes identifying the skills required of the people on the ground as well as the optimum material distribution networks to supply them with exactly what is required and when.

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EWI Install Process flows (Sheet 2 of 3)
Workshop Output – 8th September 2011

Key

- Innovation
- Traditional
- Dwell time
- Process link

Set Up

New Extensions

Windows & Doors

EWI

Roofs

Customer Views!

If not extending or Room-in-roof

Remove need to problem sole on site	Access wiring, TV etc.	Loft hatch Enlarge; draught; insulate; ladder?	Life laundry Volunteers; Move; skip; label; box	Top up or renew insulation	Value added Lights; boards; lag tank?
Collect client priorities in advance				Install Ventilation	
How automatic can this be? Role;; Site ;Office?					

3 hours

0.5 Day

0.5 Day

1.5 Days

EWI Install Process flows (Sheet 3 of 3)
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