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Text to be replaced by

a specific instance on

instantiation of the

pattern

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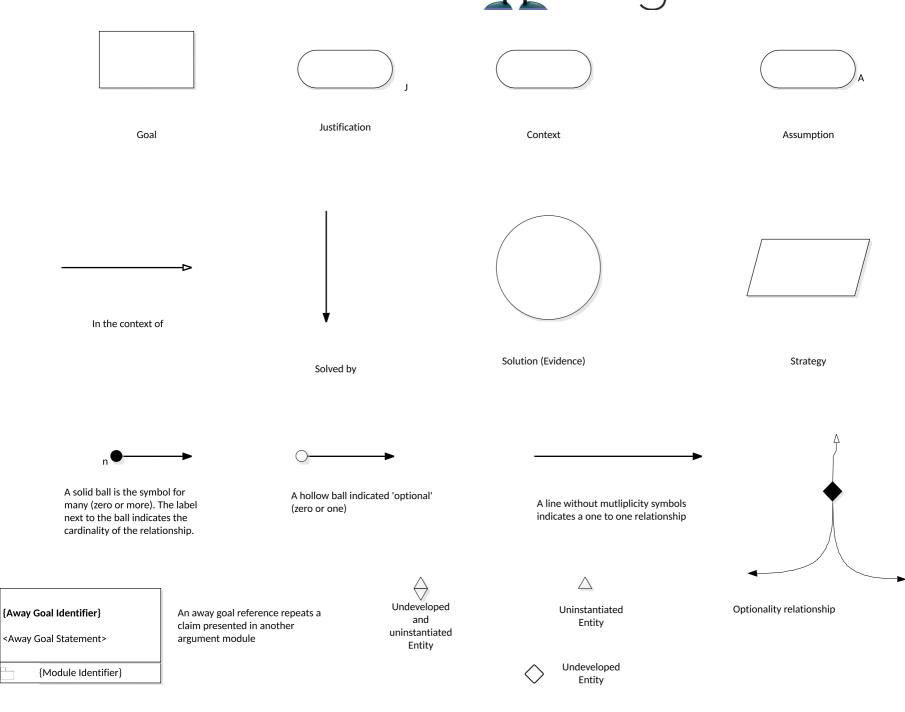
An attribute to be

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correct identifier on

instantiation





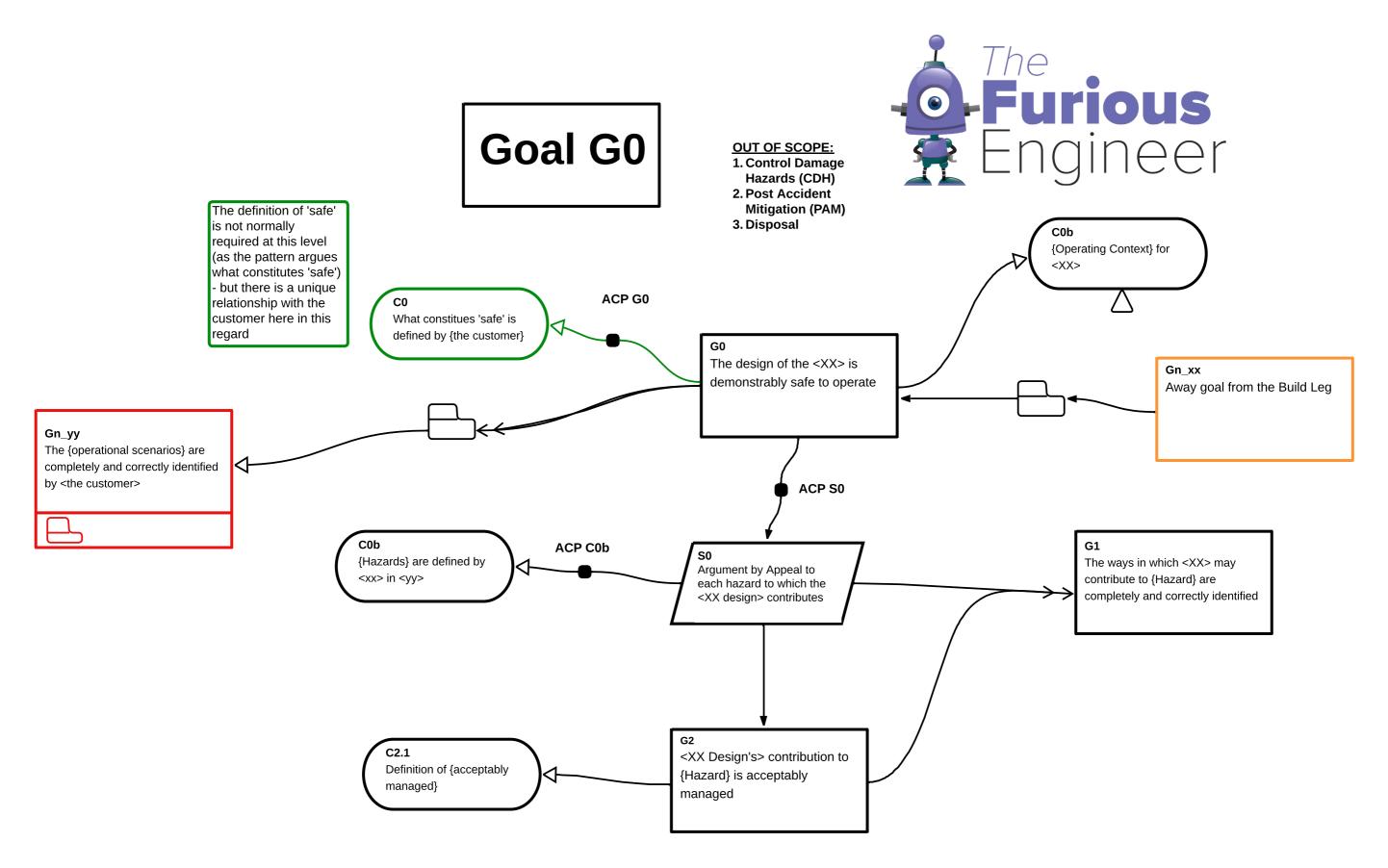
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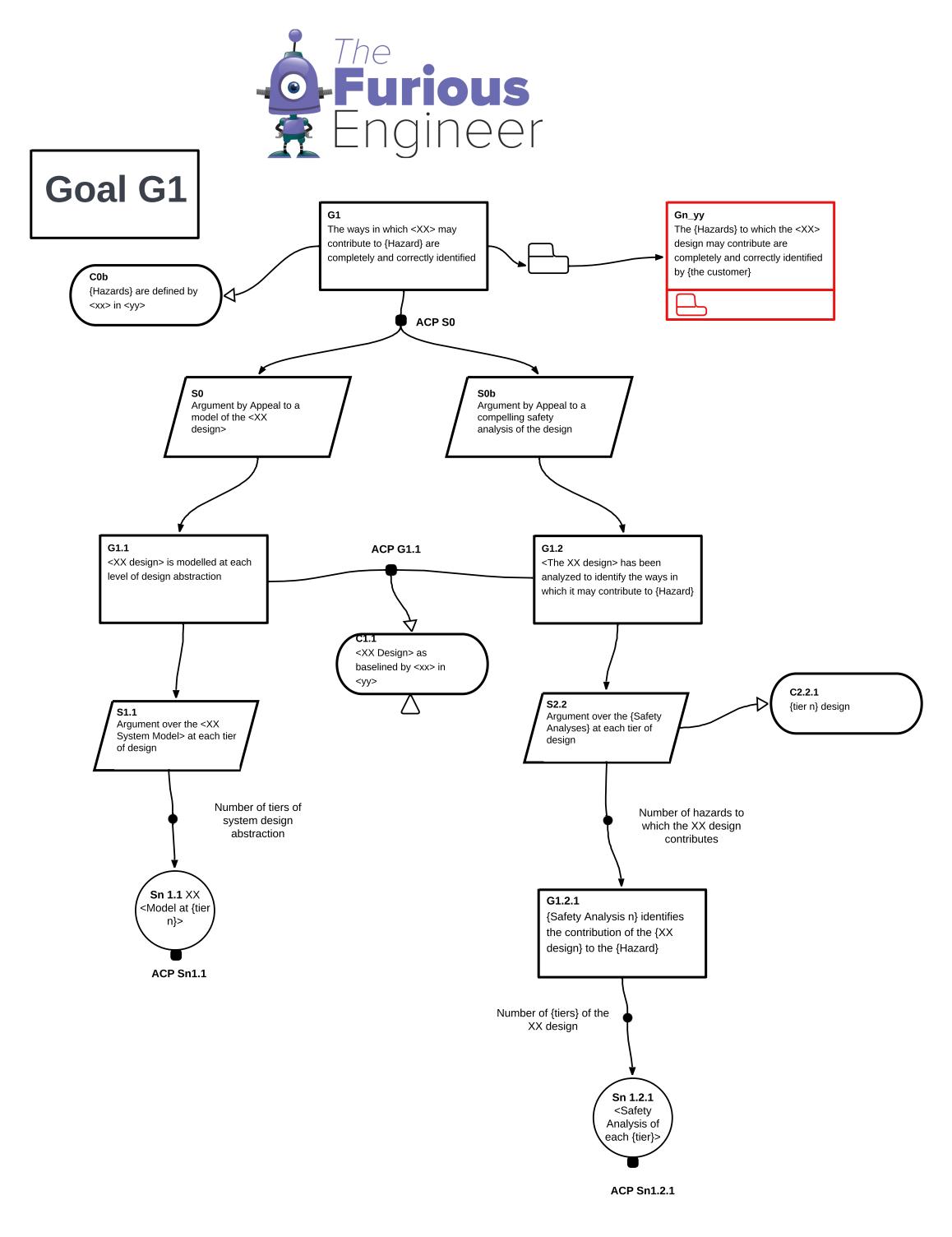
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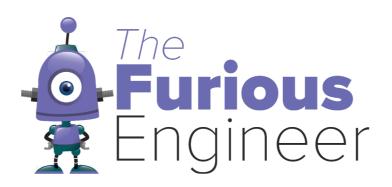
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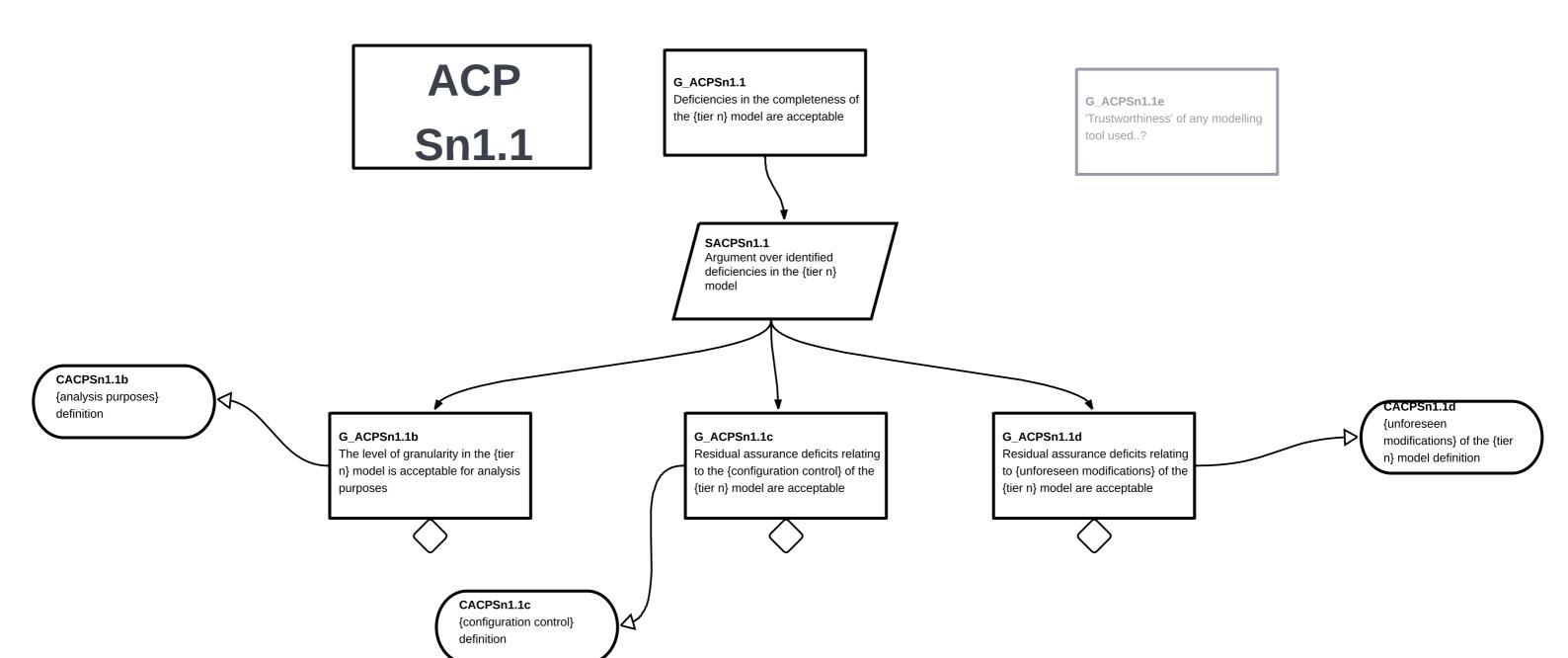
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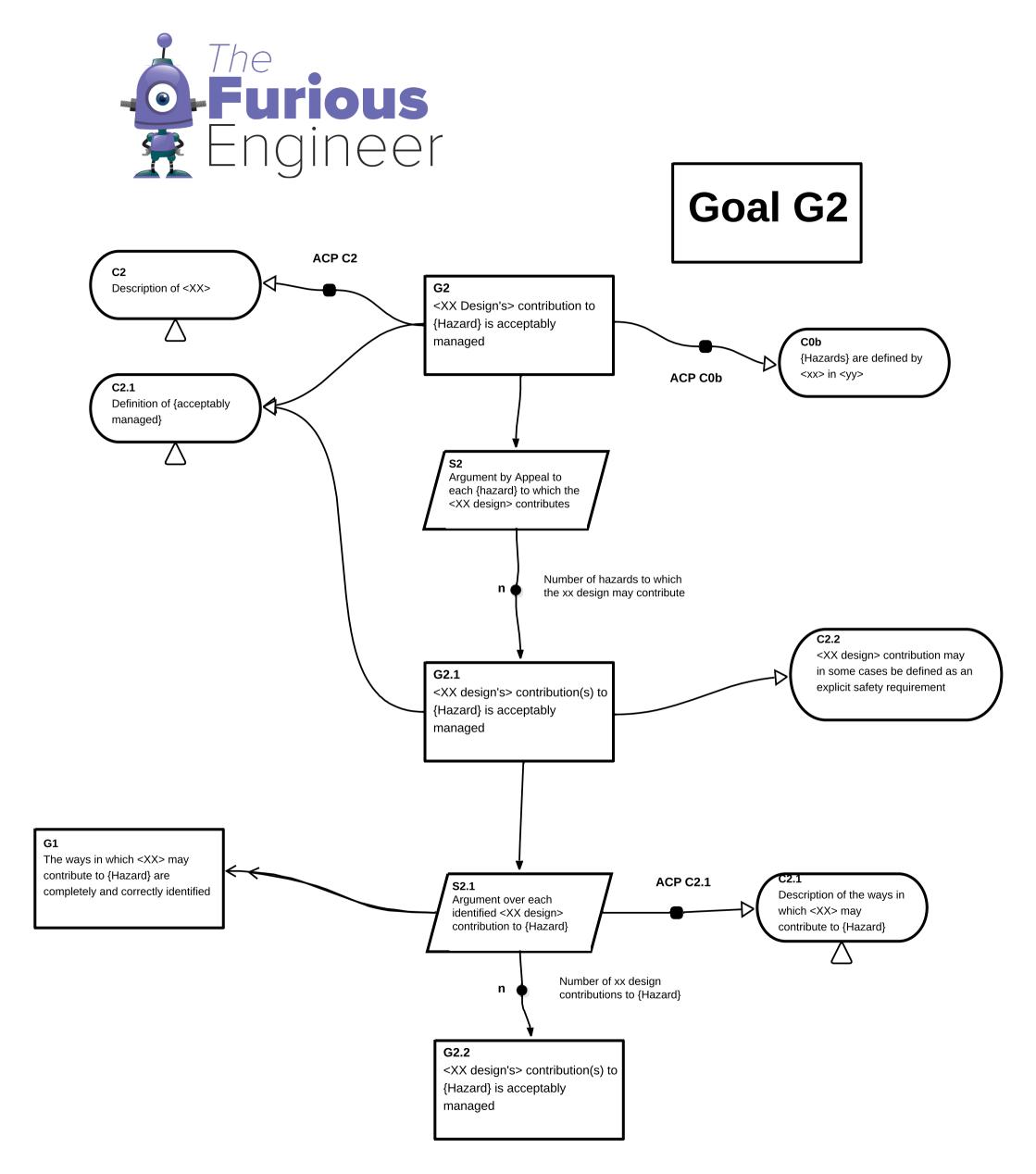
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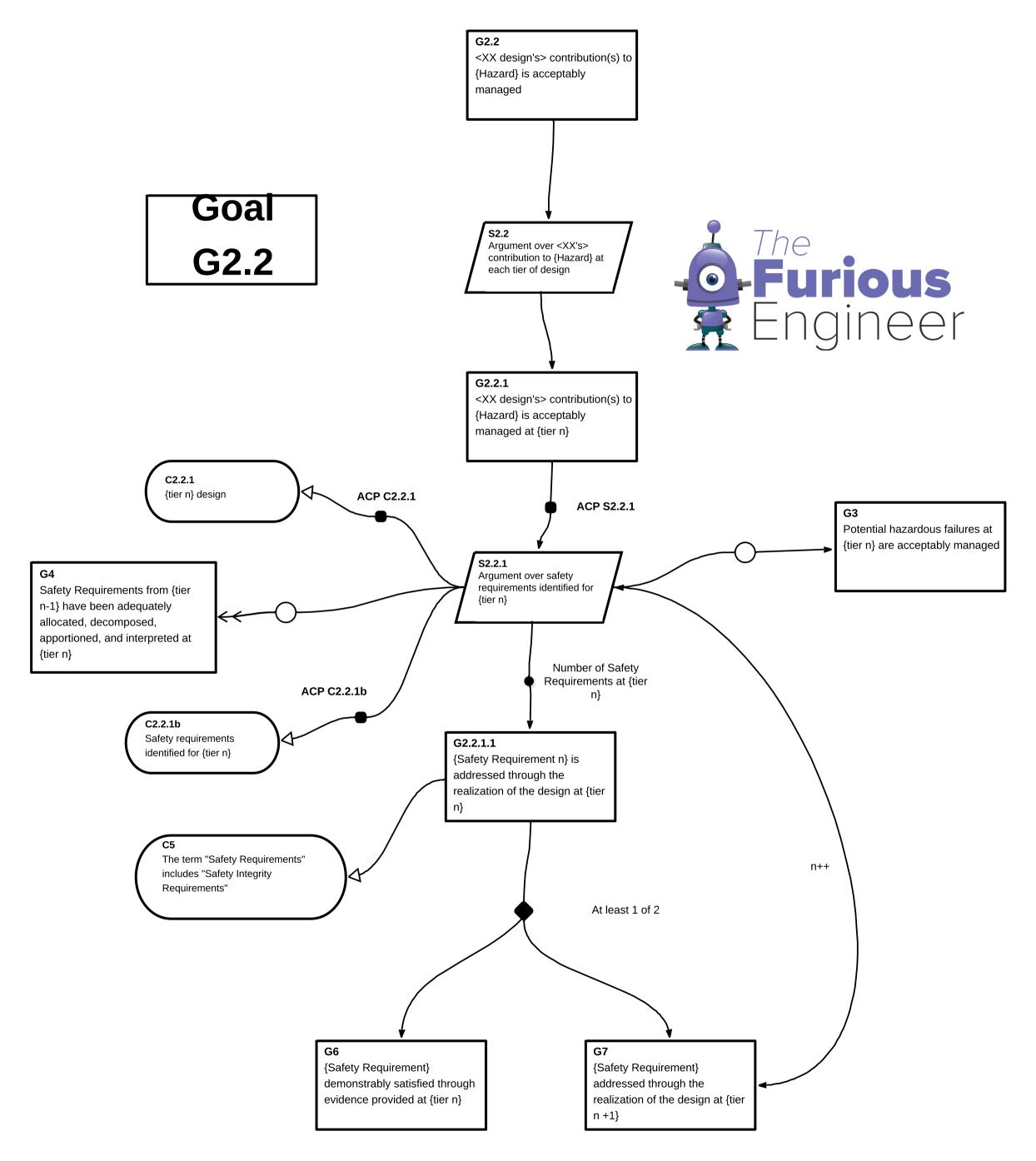


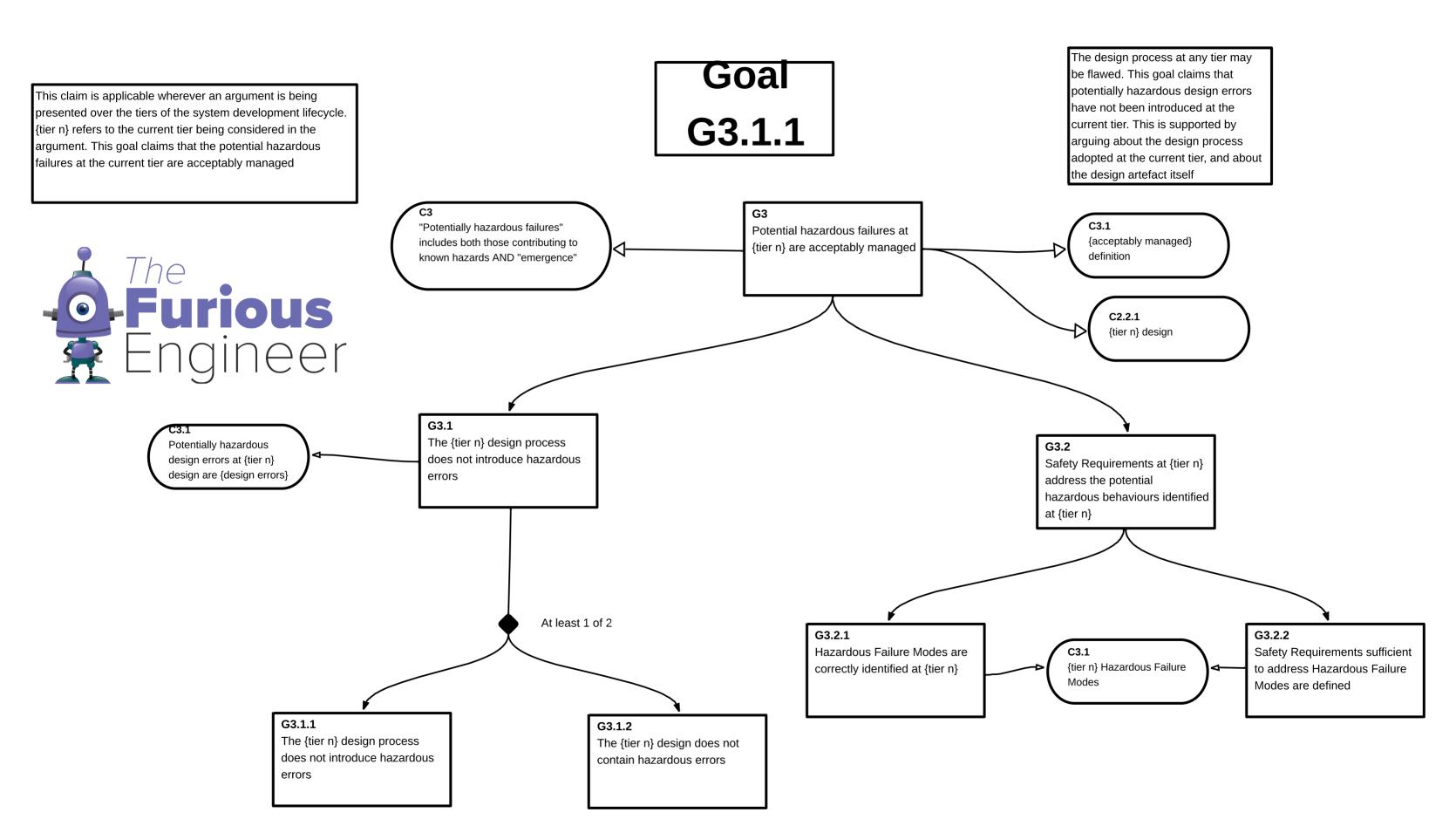


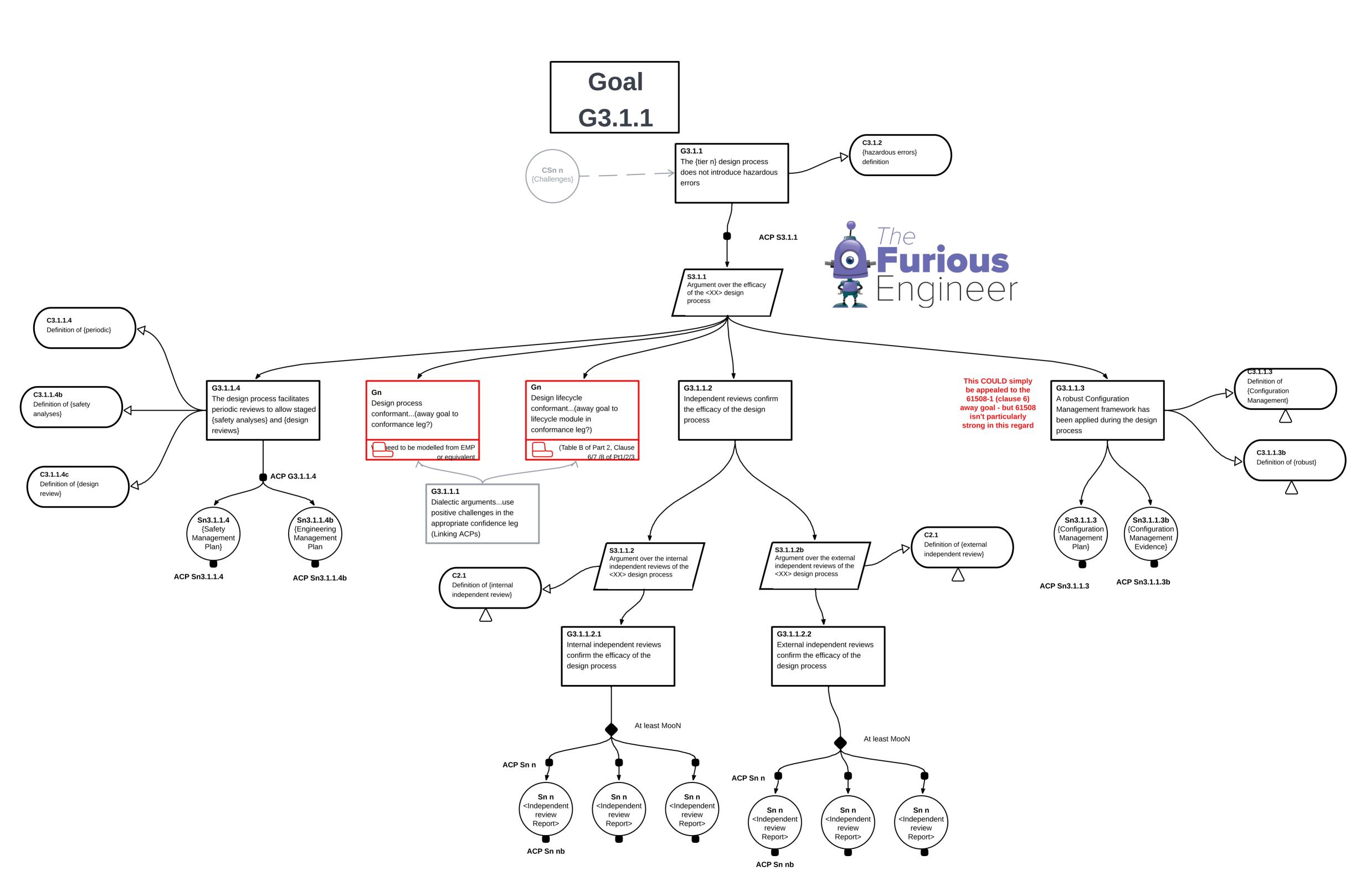


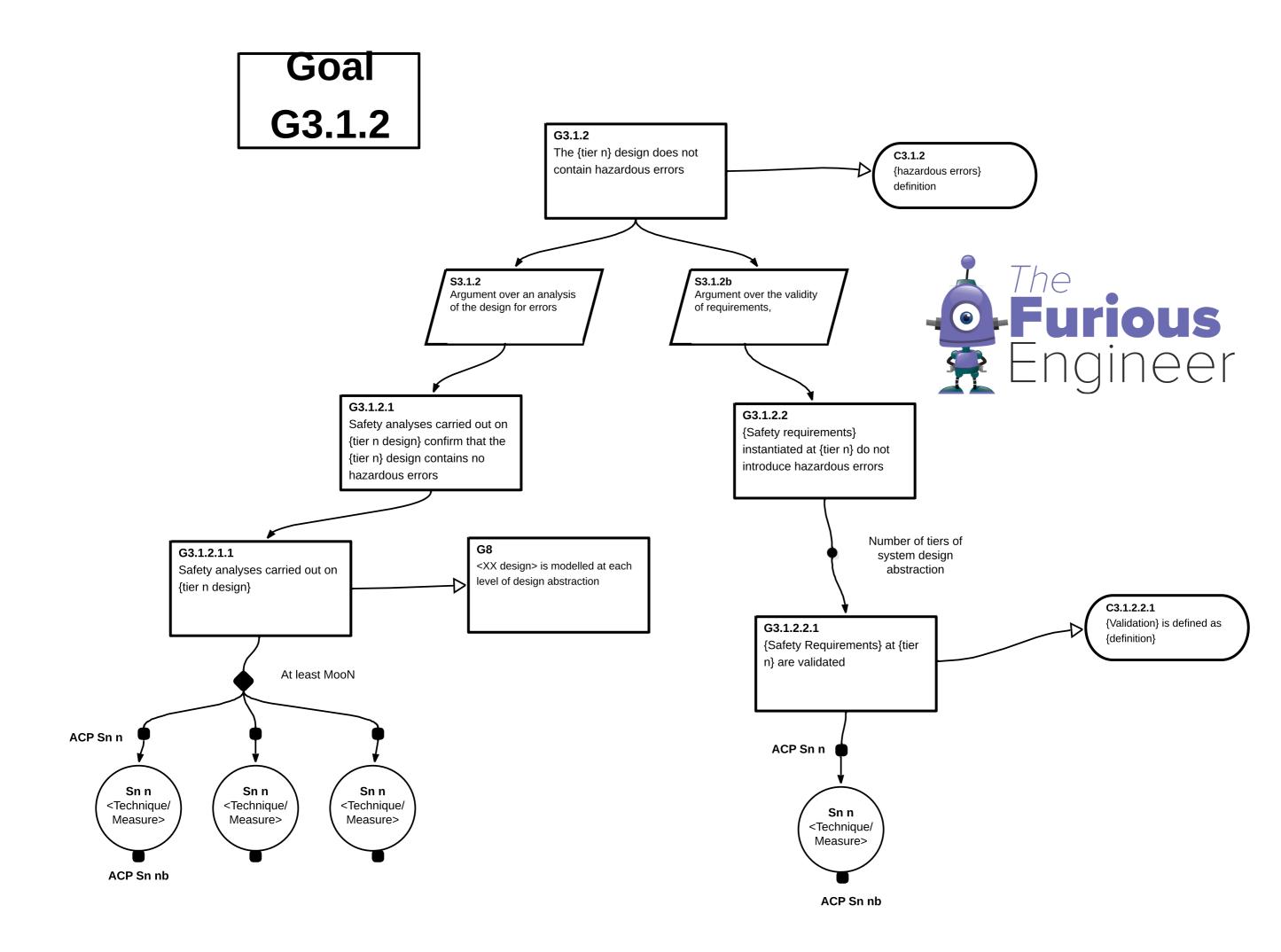






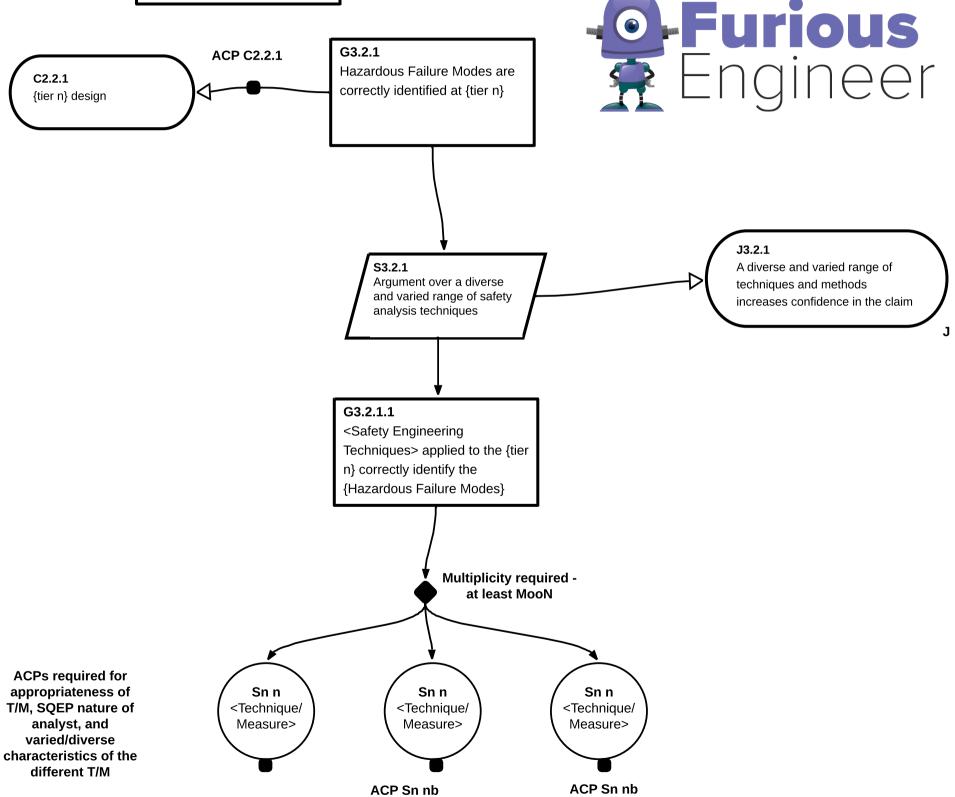






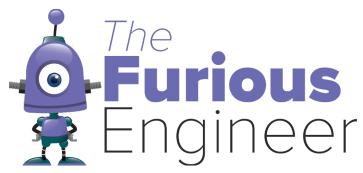


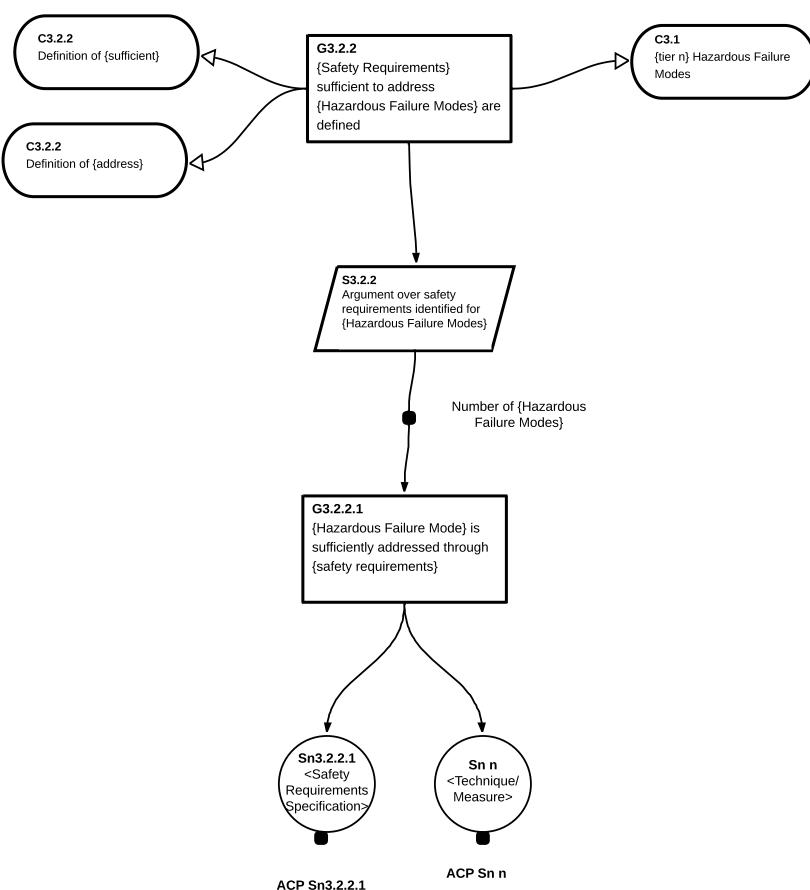
ACP Sn nb



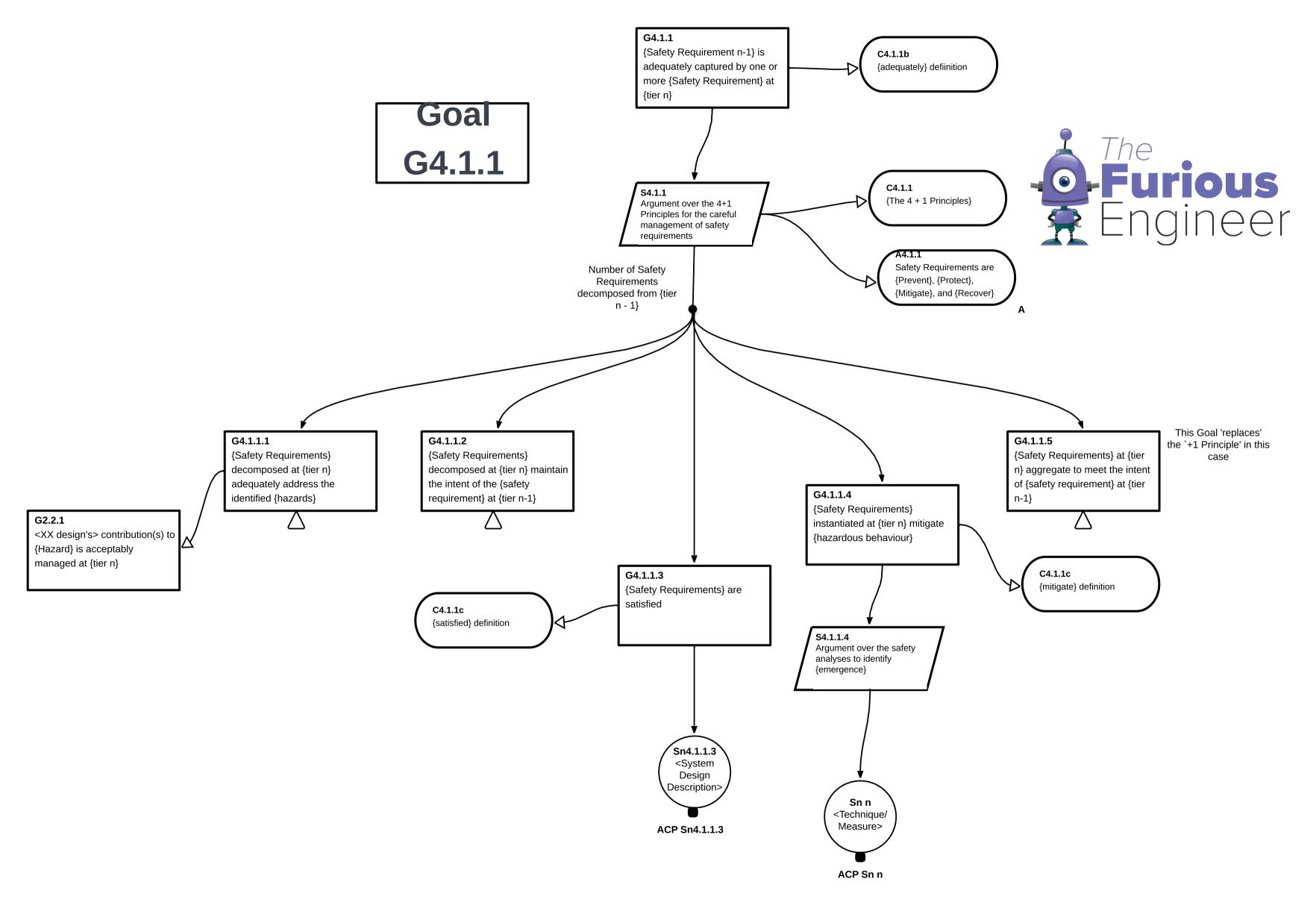
Goal

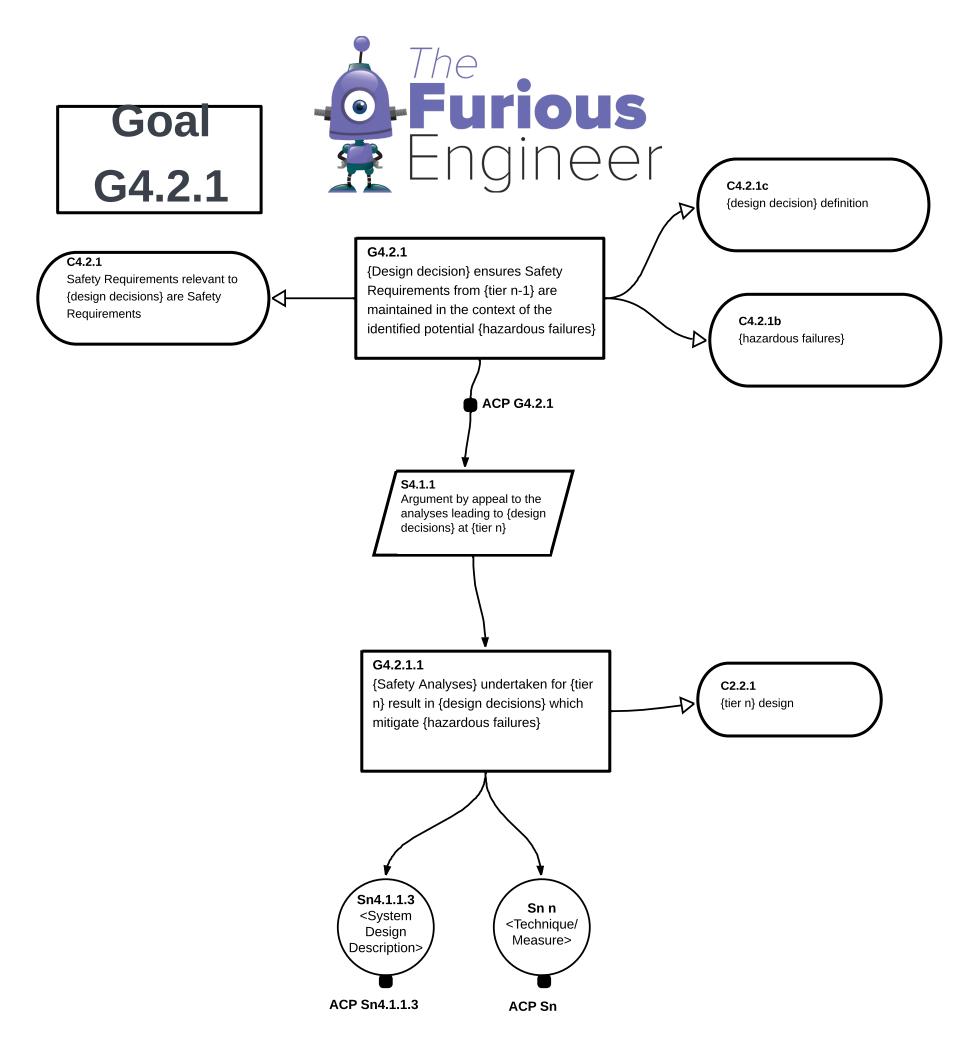
G3.2.2





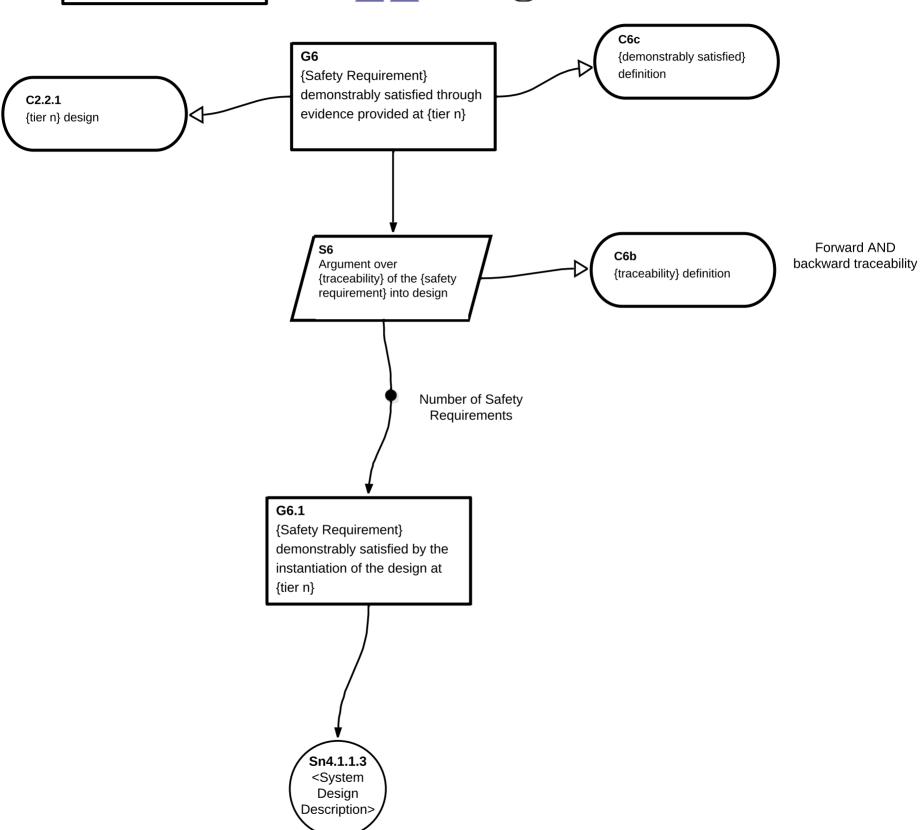
Furious Engineer Goal G4 The act of allocation, decomposition, apportionment and interpretation can reasonably be seen as a single, unified act G4 (owing to the nature of ACP C4 Safety Requirements from {tier requirements Safety Requirements engineering) n-1} have been adequately from {tier n-1} allocated, decomposed, apportioned, and interpreted at {tier n} C4b Definition of {adequately} G3.2.2 {Safety Requirements} sufficient to address {Hazardous Failure Modes} are defined Argument over the {tier n} design and the Safety Requirements specified at {tier n} C4.1b ACP C4.1b Safety Requirements G4.1 G4.2 Potential hazardous identified for {tier n} Safety Requirements at {tier n} **ACP C4.2** Design decisions taken at {tier n} are failures at {tier n} adequately capture the Safety appropriate to ensure that the Safety identified in Goal G3 C2.2.1 Requirements from {tier n-1} for Requirements from (tier n-1) are {tier n} design the {tier n} design maintained in the context of the potential hazardous failures identified at {tier n} S4.1 S4.2 C4.2 Argument over each Safety Argument over design Design decisions taken at Requirement fon {tier n-1} decisions taken at {tier n} Number of Safety Number of relevant Requirements from design decisions {tier n-1} G4.1.1 {Safety Requirement n-1} is G4.2.1 adequately captured by one or C4.2.1 more {Safety Requirement} at {Design decision} ensures Safety Safety Requirements relevant to Requirements from {tier n-1} are {tier n} {design decisions} are Safety maintained in the context of the Requirements identified potential hazardous failures





Goal G6





ACP Sn4.1.1.3

Goal G8 <XX design> is modelled at each {design abstraction} is a level of design abstraction {tier} of design Furious Engineer Levels of design abstraction CS8 Argument over the S8b {modelling process} (modelling process) Argument over the {inputs definition to) the (modelling process) G8.2 C8.2 <Modelling process> was {SQEP} definition implemented by {SQEP} personnel ACP G8.2 Sn8.2 Sn8.2b <Competence <Competence Profile> Record> C8.3 The definitive list of all {required inputs} ACP Sn8.2 ACP Sn8.2b G8.3 All {required inputs} to the C8.1 {modelling process} were provided {robust} definition G8.1 <Modelling process> is robust and defensible ACP G8.3 C8.1b {defensible} definition **ACP G8.1** Sn8.3b Sn8.3c <Safety Sn8.3d Sn8.3 <Functional <Use Cases <Interface Requirements Requirements Sn3.1.1.4b Specification> Specification> and Specification> Sn8.1 <Engineering Scenarios> <Model Management Process> Plan> ACP Sn8.3d ACP Sn8.3 ACP Sn8.3c ACP Sn8.3b ACP Sn3.1.1.4b ACP Sn8.1