GHG Pathways Decision Tree Decision Action (Via GHG Pathways Calculation Tool) Key: **Primary Aluminium** Casthouse **Semi-fabrication Supply Chain Activity Pathway Evidence THE SCOPE** - the processes included in the **Integrated downstream Bauxite & Alumina Material Conversion START** GHG Pathway, incorporating, but not limited to, procurement Pathway ASI Entity (or Entities) Certification Scope(s) (optional) **Either** Choose a Base Year from 2016 to the last full calendar year before the ASI Audit in Cradle-to-gate electricitythe worksheet "Baseline Year" Did any Casthouse in THE SCOPE For each Casthouse emissions related slope measured at Complete Fields C4:E7 in intensity entered in Fields E4:E7 in remelt scrap sourced externally Casthouse OUTPUT worksheet "Primary (100% to THE SCOPE in the Base Year or worksheet "Primary (100% lectrolytic)" with Base Year data plans to do so over Intermediate electrolytic)" enter a value for the for all Casthouses within THE electricity-related portion (from Target period? SCOPE, either individually or all processes upstream of the collectively Does THE SCOPE include Casthouse) in Field(s) F4:F7 Aluminium Smelting activities? Or Would you like to generate/use separate slopes for electricityrelated and non-electricityrelated emissions intensity across primary aluminium processes within THE SCOPE? For each process category in THE **Either** SCOPE (Casthouse, Semifabrication and Material Does THE SCOPE include Integrated procurement slope Conversion), include in Fields E4, measured at INPUT to THE SCOPE Bauxite Mining and/or E5 and/or E6 the mass of Does THE SCOPE include any Alumina Refining activities? aluminium to which the GHG Material Conversion activities intensities in D4, D5 and/or D6 (not included in Semiapplies Or An ASI Entity that includes Bauxite fabrication) Mining and/or Alumina Refining but no Aluminium Smelting does not currently* need to demonstrate a GHG Pathway using an ASI-endorsed method, Complete Fields C5 and D5 in Complete Field D6 in worksheet but it does have to provide worksheet "Casthouse & Post-CH Casthouse & Post-CH Data Entry evidence of a GHG Emissions Data Entry" with Base Year data with Base Year data for all Reduction Plan as per PS 5.3 for all Semi-fabrication activities Material Conversion activities Does THE SCOPE include (as defined) within THE SCOPE within THE SCOPE If THE SCOPE includes multiple Remelting and/or Casthouse process categories (Casthouse, activities? Semi-fabrication and/or Material None required Semis/Fabricated procurement Conversion), would you like to slope measured at INPUT to THE generate/use a single SCOPE (integrated) procurement slope Complete Fields C4 and D4 in for THE SCOPE in its entirety? worksheet "Casthouse & Post-CH Data Entry" with Base Year data for all Remelting & Casthouse activities within THE SCOPE Does THE SCOPE include any of the following Semi-fabrication activities transforming Casthouse products:

*Sectoral and Entity-level cradle-to-gate slopes for Bauxite

and Alumina are under development and will be added to the method and Performance Standard Guidance (likely 2025)

Extrusion

- Rolling (hot or cold) and integrated foil rolling
- Drawing
- Die casting
- Other near net shape casting processes (foundries)