APPENDIX 1: Steel Product Manufacturing Flow Diagrams

BLAST FURNACE ROUTE

D Sinter

Graded Sinter

C Coke making

Coke

F Blast Furnace

Hot Metal

G1 BOF Steel Making

Slabs-Blooms-Billets

I Section Rolling

K Rod & Bar Rolling

H Hot Strip Mill

J Heavy Plate Rolling

(11) Sections

(12) Rebar

(13) Engineering Steel

(14) Wire Rod

(7a) Hot Rolled Coil

(10) Plate

M2 UO Pipe Making

(8b) UO Pipe

to Pickling
COLD ROLLING ROUTE

From Hot Strip Mill

(1) Hot-dip Galvanising

R Hot-dip Galvanising

(1) Hot-dip Galvanized

(3) Organic Coated Flats

(5) Tin-free Steel

(2) Electrogalvanized

Q Electrogalvanising

(4) Tinplated Products

S ECCS

(5) Tin-free Steel

(4) Tinplated Products

T Tinplating

(6) Finished Cold Rolled Coil

P Annealing and Tempering

(6) Finished Cold Rolled Coil

(6) Finished Cold Rolled Coil

(7b) Pickled Hot Rolled Coil

L Pickling

(7a) Hot Rolled Coil

(7b) Pickled Hot Rolled Coil

O Cold Rolling

Cold Rolled Coil

Cold Rolled Coil
ELECTRIC ARC FURNACE ROUTE

G2
EAF Steel Making

Blooms-Billets

I
Section Rolling

(11) Sections

K
Rod & Bar Rolling

(12) Rebar
(13) Engineering Steel
(14) Wire Rod
APPENDIX 2: Example of Module Representation