- - - - →   Import

- - - - →   Import from previous refinement

——————→   Refine the module

CarSystem001

main → HW → Blink → Functions → Domains

CarSystem002

main → Cornering → LowBeam → Functions → Domains

main → EmergencyBrakeLights

CarSystem003

main → HighBeam → Domains
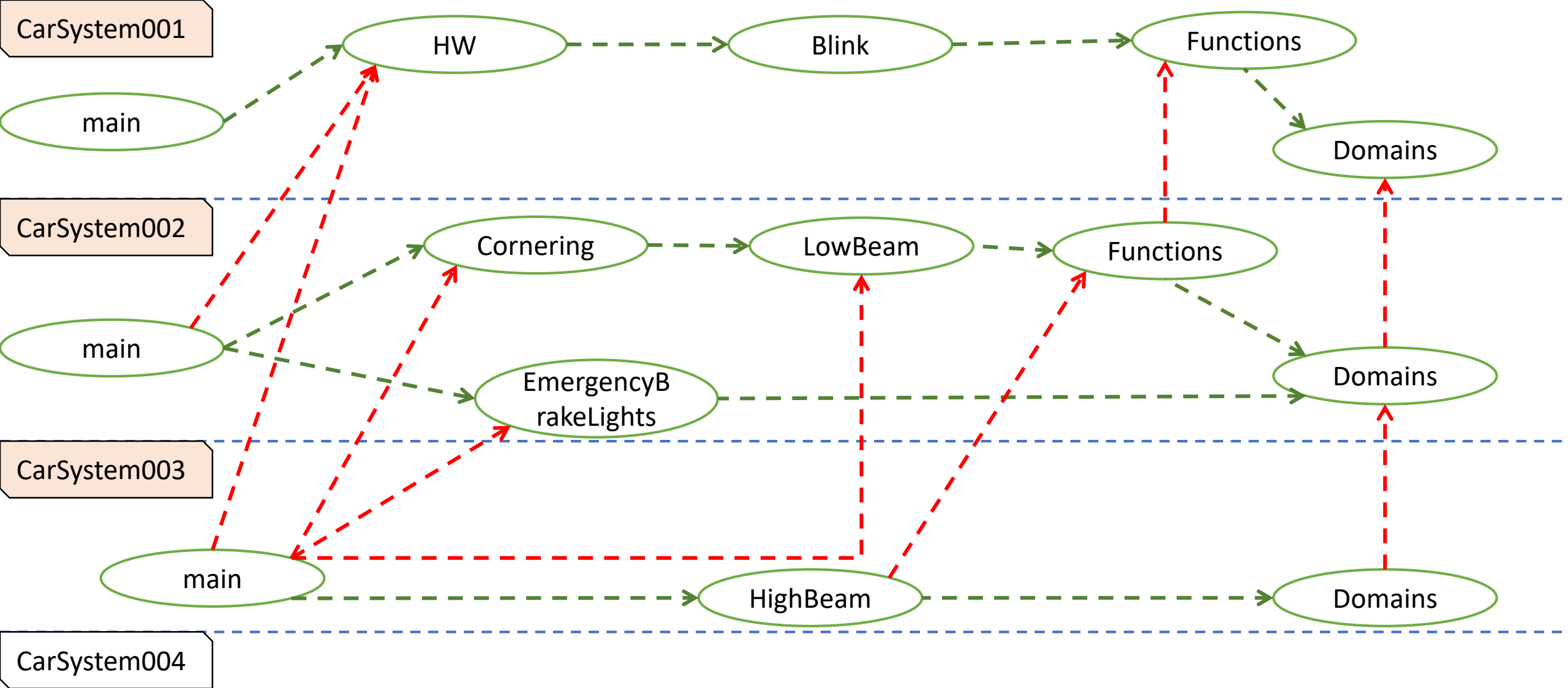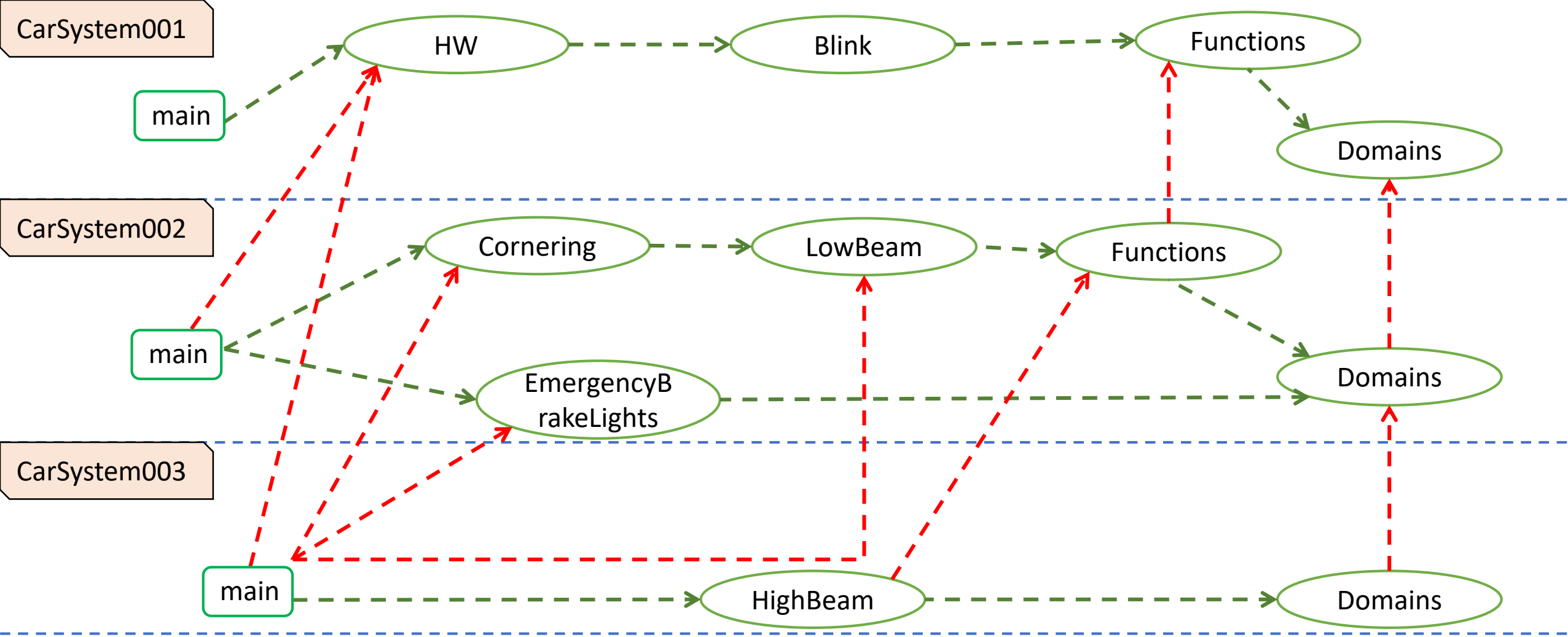
Key symbols:

Level of refinement

Horizontal Import relation (from same refinement level)

Vertical Import relation (from previous refinement level)

Vertical Refinement relation

module — Imported module

main — Main ASM

CarSystem001

main   HW   Blink   Functions   Domains

CarSystem002

main   Emergency BrakeLights   Cornering   LowBeam   Functions   Domains

CarSystem003

main   HighBeam   Domains

CarSystem004

main   HW   Blink   Emergency BrakeLights   HighBeam   Cornering   LowBeam   Functions   Domains

CarSystem001

main   HW   Blink   Functions   Domains

CarSystem002

main   Emergency BrakeLights   Cornering   LowBeam   Functions   Domains

CarSystem003

main   HighBeam   Domains

CarSystem004

HW   Blink   Functions

main   Emergency BrakeLights

HighBeam

Cornering   LowBeam   Domains

CarSystem001

main HW Blink Functions Domains

CarSystem002

main EmergencyBrakeLights Cornering LowBeam Functions Domains

CarSystem003

main HighBeam Domains

CarSystem004

HW Blink Functions

main EmergencyBrakeLights

HighBeam

Cornering LowBeam Domains