

IC Life Cycle

Threats of Trojan Insertions

EDA Tool
Vendor

Hardware
IP Vendor

Insert Hardware Trojan in IP
(by IP writer)

Tools

IPs

IP Design House

Insert hardware Trojan in Design
(by untrusted CAD tool / designer)

GDS-II

Foundry

Reverse-Engineer GDS-II & Insert
Hardware Trojan
(by an adversary in Fab)

ICs

Manufacturing Test

ICs Passing Test

Deployment

