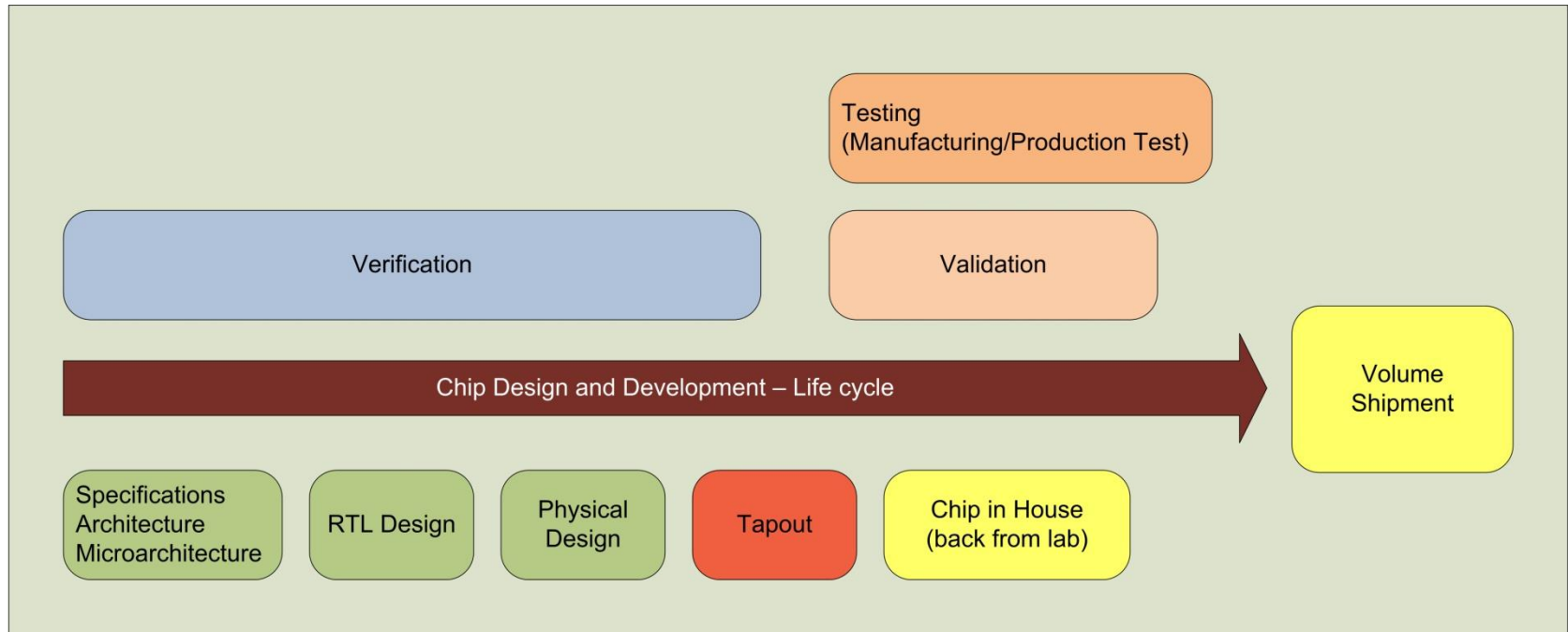


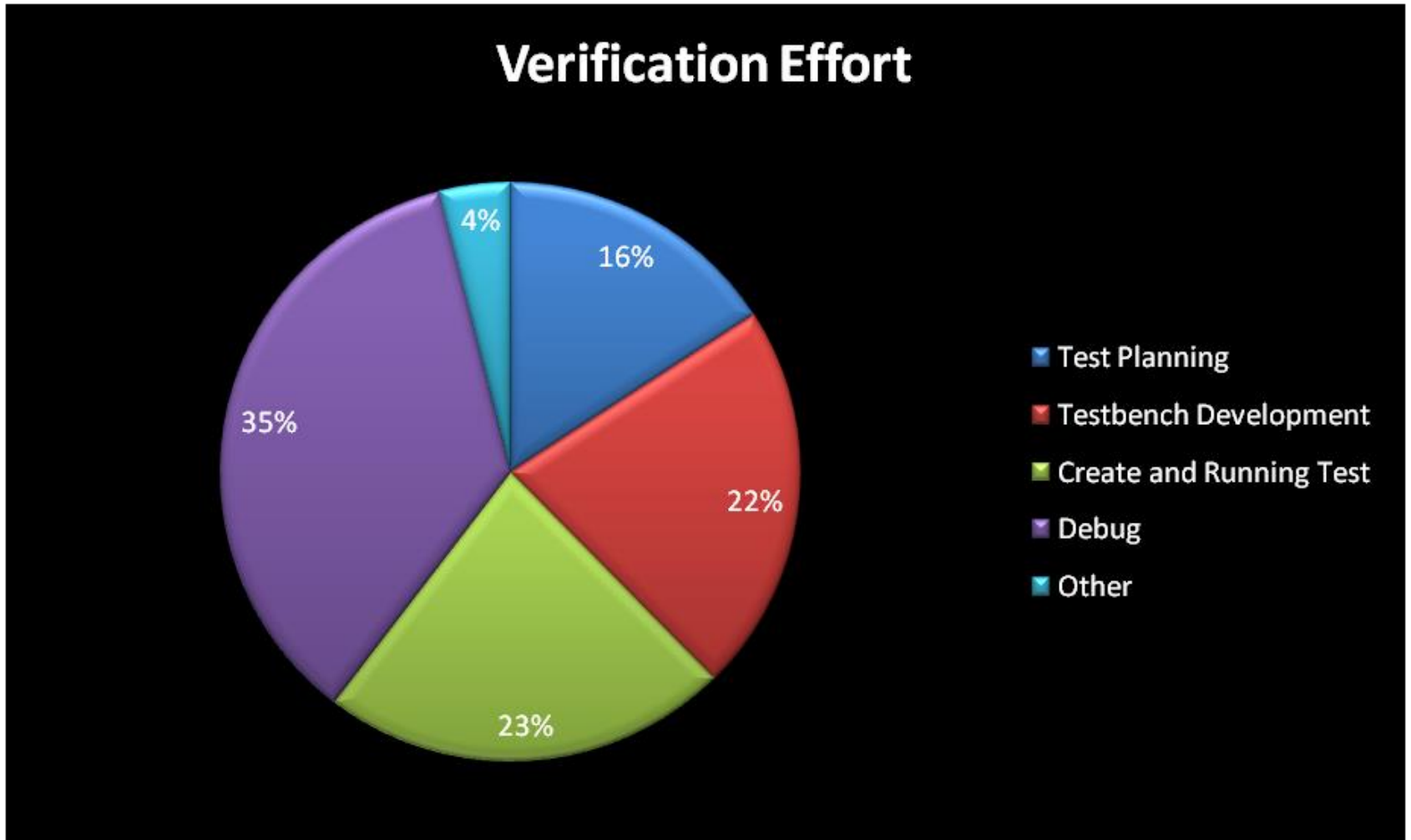
Verification IP : Build vs Buy



Chip Design and Development Life cycle



Protocol Evaluation v/s Verification Complexity



Why Choose Build?

- Project cost
- HVL, Methodology & simulator supported VIP
- DUT specific customizations may create potential risks if the VIP doesn't supports that
- Easy Customization
- Verification challenges with third party VIP in terms of verification timings
- Availability of the VIP with required protocol, methodology and simulator
- Verification environment ties you with the vendor
- change the VIP then it may take huge time to replace the VIP of different vendor



Why Choose Buy?

➤ **Time to Market**



➤ **Expert Team**



➤ **Ready to use Environment**



➤ **Quality Matters**



- Provides support for compliance verification
- Probability of finding bugs using third party VIP is high
- Re-architect may lead to delay in verification



Summary of Important Guidelines

Based on the verification level requirements may change for the Verification IP. But the most common and important things to know before buying are,

- ✓ Support needed on time
- ✓ Stable and proven
- ✓ Compliance Check support
- ✓ Ease to migrate to future updates
- ✓ Simulation time
- ✓ Required Language, Methodology and simulator support

Thank You