



# Licensed AMI Models

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# Objective

- Communicate to IBIS community about “licensed” IBIS-AMI models, as another distribution strategy
- Clarify what licensing means



# Restricted vendor-specific models or restricted usage models are already common in industry

- Encryption
- Vendor-specific keywords, parameters, commented lines
- New features only in the proposal stage
- NDA's
- Vendor issued model development tools that support vendor-specific features
- “Licensing” restrictions (click to Agree) before downloading

# Another approach: model generator can create Licensed and Unlicensed IBIS-AMI models

- **Licensed models**
  - Usage restricted to a vendor-specific EDA tool
  - May be used to get around any existing IBIS-AMI limitation
  - May have vendor-specific features
  - Errors likely to be generated with other EDA vendor tools
  - Or, usage of the model may even be blocked for use by other tools
- **Unlicensed models**
  - Intended for unrestricted usage for all EDA tools
  - Fully compliant to IBIS specification
  - Recommended to be provided by model developers for distribution
- **IBIS-AMI model generator provided by EDA vendor, used by model developer, may generate both versions**
  - Distribution of the unlicensed versions is recommended

# Summary

- An IBIS-AMI distribution strategy using licensing has been presented to address vendor-specific features
- If users encounter a case where licensing restricts their usage in their tool of choice, the model supplier should be contacted, and should provide an unlicensed model
- For additional information, please contact Ken Willis  
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The logo for Cadence, featuring the word "cadence" in a lowercase, bold, sans-serif font. A small red horizontal bar is positioned above the letter 'a'. A registered trademark symbol (®) is located to the upper right of the letter 'e'.

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