

# EMFAC2014 Model Demo



**November 7, 2014**

# Outline

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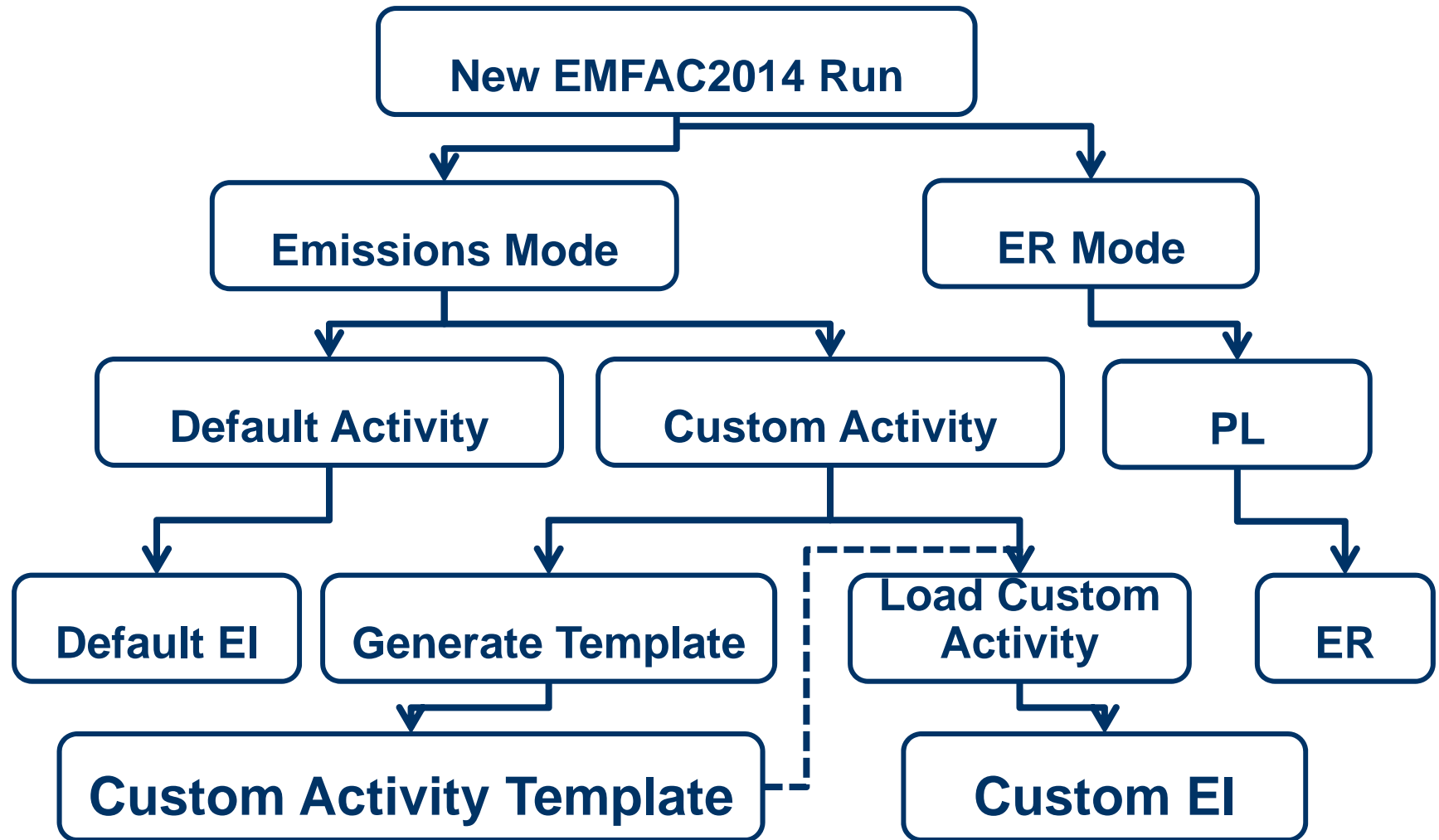
# Introduction

- EMFAC is California's on-road motor vehicle emissions inventory model
  - It has a long history
  - Many improvements have been made over time
- EMFAC2011 utilized new programming techniques that have been fully implemented in EMFAC2014

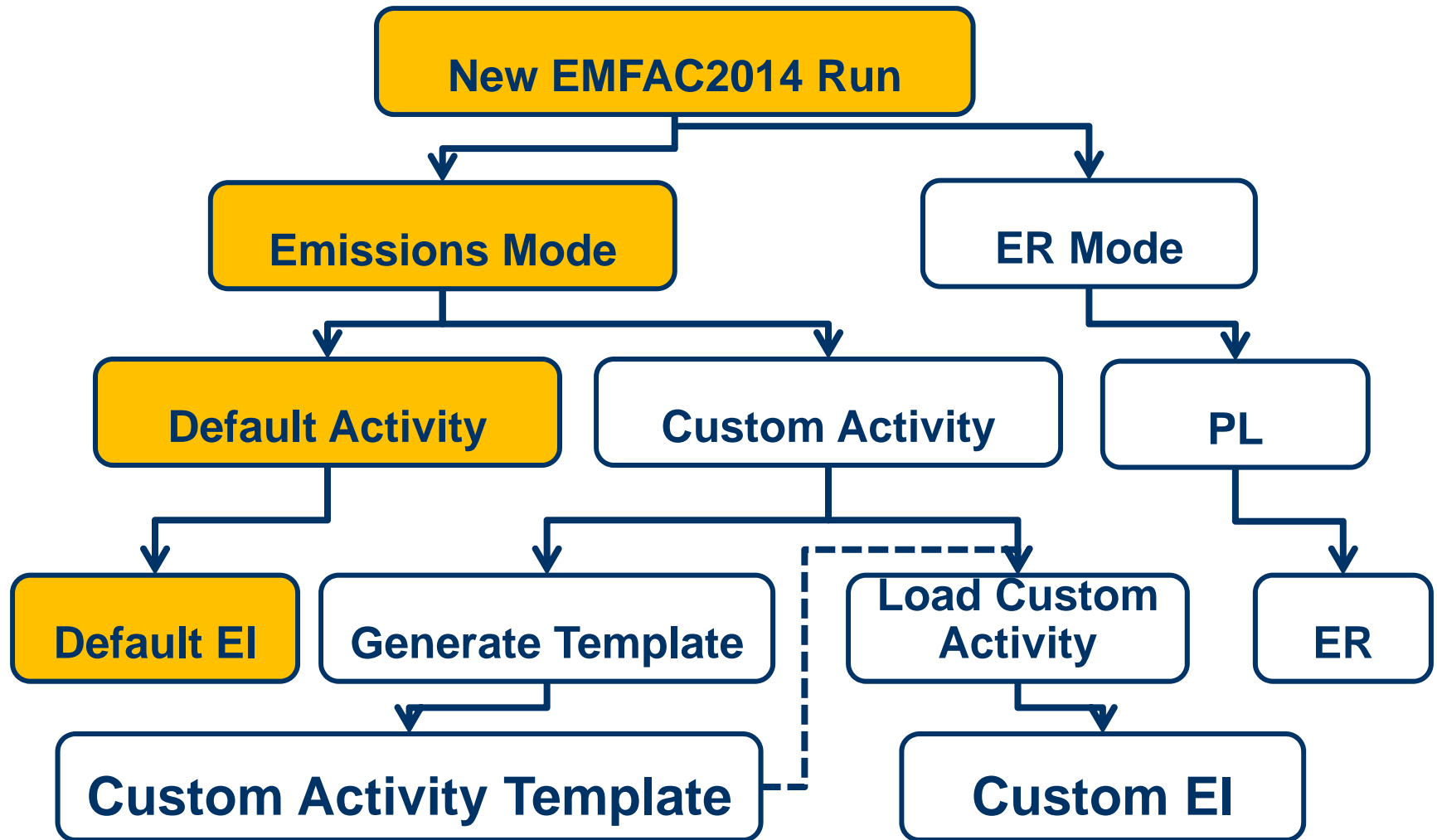
# Major Programming Improvements

- All-in-one package
  - Integrated LDV, HD, SG, & PL into one single model
- New modeling system makes it easier to
  - Update model code and associated data & methodologies
  - Incorporate and assess future new rules
  - Develop more detailed emissions inventories
    - With more detailed vehicle categories as compared to EMFAC2007
    - Output with emissions by hour
    - Output by cat, non-cat
  - Transfer output to other databases/tools

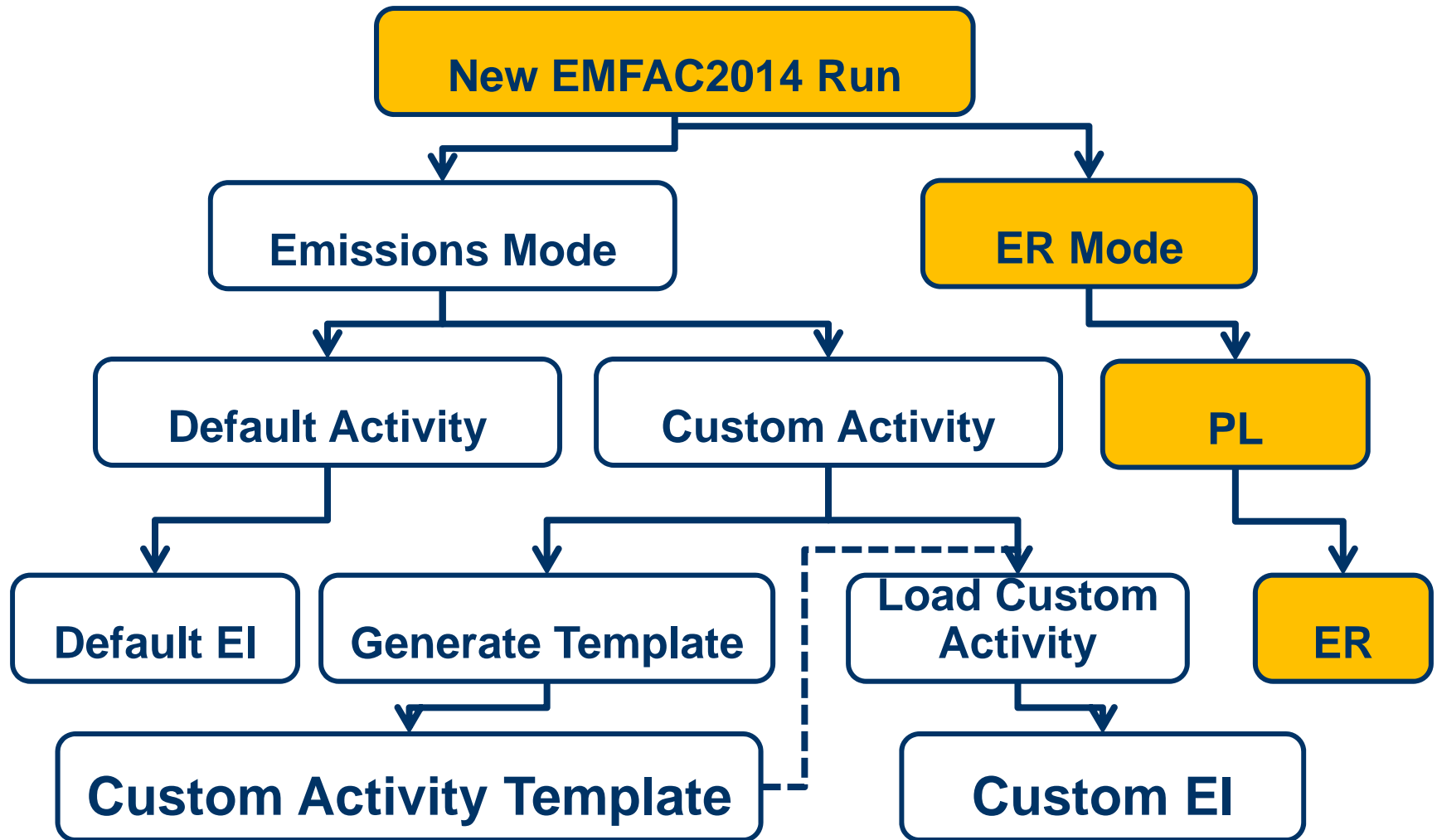
# EMFAC2014 Overview



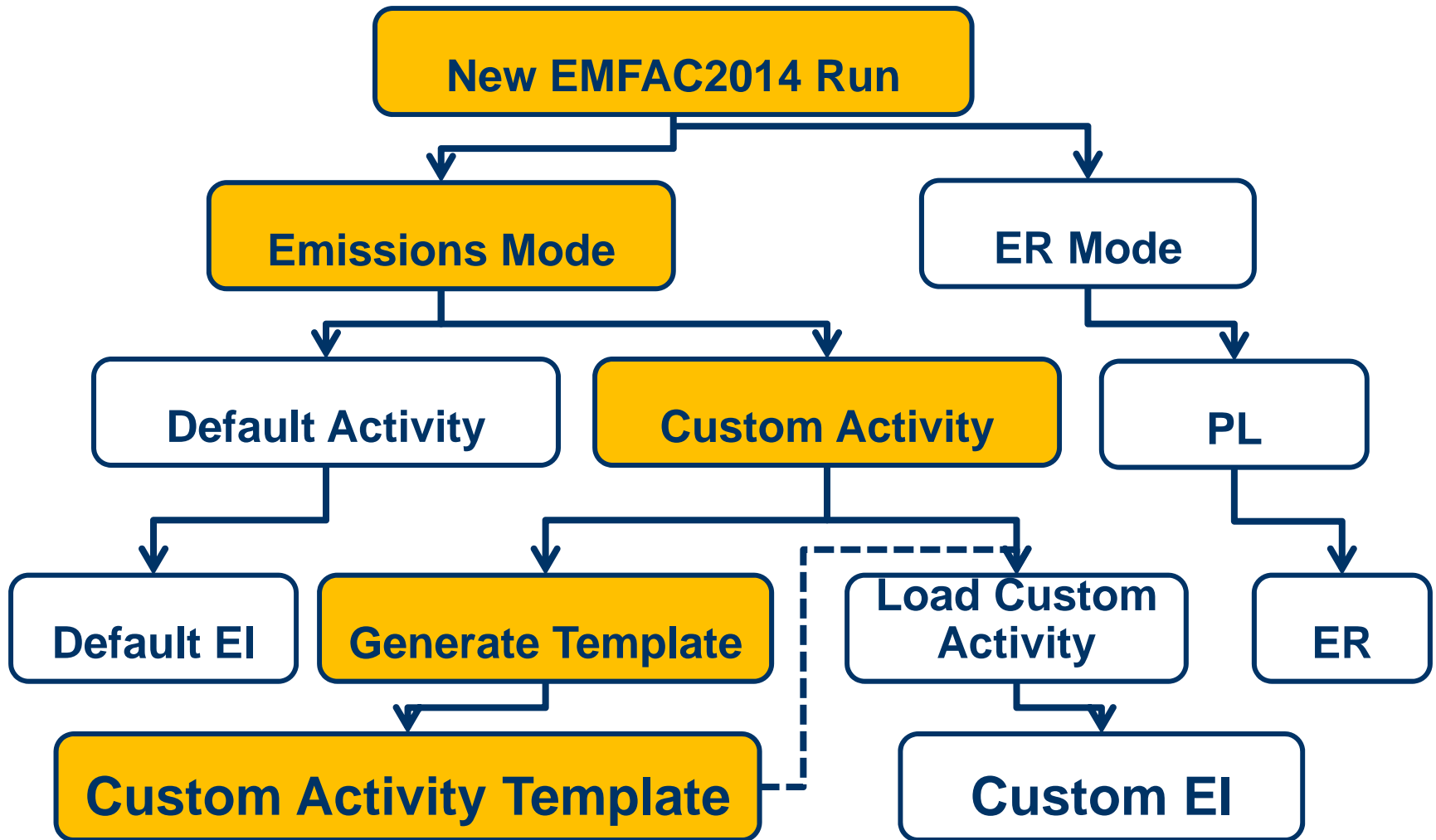
# Default Emission Inventory



# Emission Rates

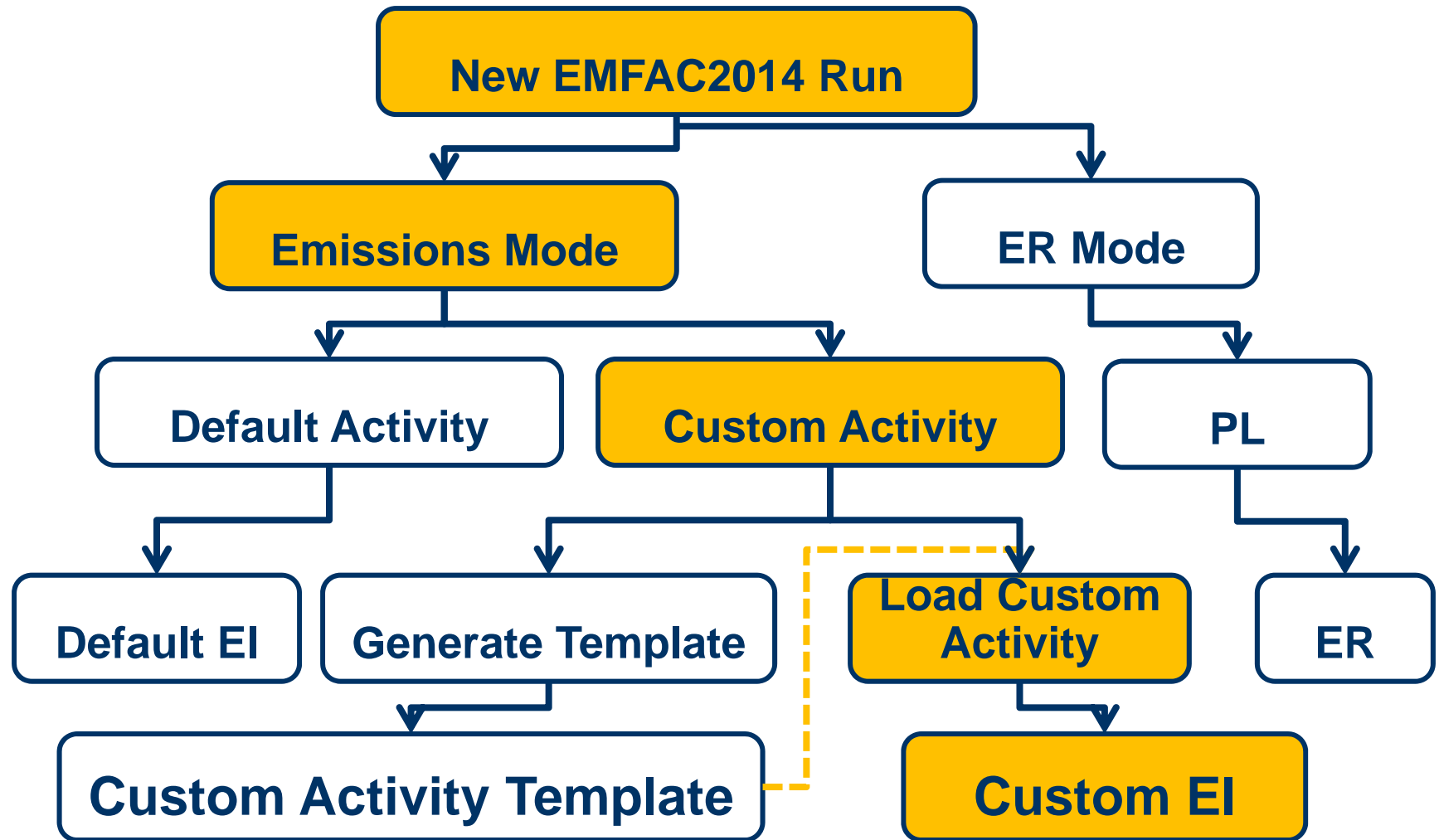


# Custom Activity Template





# Custom Activity Emissions Inventory



# For Additional Information

- Join MSEI email list at [http://www.arb.ca.gov/listserv/listserv\\_ind.php?listname=msei](http://www.arb.ca.gov/listserv/listserv_ind.php?listname=msei)
- Attend training webinar (date to be determined)
- Contact EMFAC team at [EMFAC2014@arb.ca.gov](mailto:EMFAC2014@arb.ca.gov)