**Parameter Analysis in CanNm Module**

* **CanNmGlobalConfig (19)**
  + **CanNmChannelConfig (26)**
    - **CanNmRxPdu (1)**
    - **CanNmTxPdu (1)**
    - **CanNmUserDataTxPdu (1)**
  + **CanNmPnInfo (2)**
    - **CanNmPnFilterMaskByte (2)**

**Parameter Abstract Class:**

* **Name**: string
* **UUID**: string
* **ParentContainer**: string
* **Description**: string
* **minMultiplicity**: int
* **maxMultiplicity**: int
* **postBuildVariantValue**: bool
* **postBuildVariantMultiplicity**: bool (if multi multiplicity)
* **valueConfigurationClass**: Map<Container, List<Variant>>
* **MultiplicityConfigurationClass**: Map<Container, List<Variant>> (if multi multiplicity)

enum Variant {VARIANT\_PRE\_COMPILE, VARIANT\_LINK\_TIME, VARIANT\_POST\_BUILD}

enum Container {PRE\_COMPILE\_TIME, LINK\_TIME, POST\_BUILD\_TIME}

* **scope**: enum (ECU, local)
* **guiNode**: DefaultMutableTreeNode

**Parameter Child Class:**

1. **Boolean (Type: EcucBooleanParamDef)**

* **Value**: bool
* **DefaultValue**: bool

1. **Float (Type: EcucFloatParamDef)**

* **Value**: float
* **DefaultValue**: float
* **Range**: class -> min: float & max: float

1. **Integer (Type: EcucIntegerParamDef)**

* **Value**: int
* **DefaultValue**: int
* **Range**: class -> min: int & max: int (typecasting)

1. **Enum (Type: EcucEnumerationParamDef)**

* **Value**: enum (CANNM\_PDU\_BYTE\_0, CANNM\_PDU\_BYTE\_1, CANNM\_PDU\_OFF)

**Timetable:**

* Integrating Parameter class into the main function  
  (By Midnight Wednesday)
  + ~~Determining which members can be modifiable (Value only)~~
  + Adding to containerItem (list of parameters inside each container) (Mira)
  + Editing on parsing container/parameter functions to gather all info (Nada)
  + Implementing GUI by using setters/getters (Essam/John)
  + Entering parameters information (All)
* Working on reference (Thesis 2)
* Working on Validation (Thesis 2)