UML Diagrams (Draft)

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| **class\_name** |
| \*\*variable: type |
| \*\*method: type |

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| **main()** |
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| **PaceMaker()** |
| leadOnePin: enum  leadTwoPin: enum  maxVOut: uint16\_t  comPort: uint8\_t  txRegister: uint8\_int  rxRegister: uint8\_int |
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| **Sense() extends PaceMaker** |
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| setChambersSensed(enum): protected void  getChambersSensed(): public enum  setActivityResponse(enum): protected void  getActivityResponse(): public enum |

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| **Communications() extends Pacemaker** |
| i\_CommIn: 16bytes  vraw: uint16\_t  f\_marker: uint16\_t  i\_magnet: int  i\_vs:??  o\_CommOut: uint8\_t  o\_vp:?? |
| sendEGM(): private int  initEGM(): public void |

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| **Pace() extends Sense** |
| pacingState: enum  pacingMode: enum  hysteresis: Boolean  hysteresisInterval: uint16\_t  lowrateInterval: uint16\_t  vPaceAmp: uint16\_t  vPaceWidth: uint16\_t  VRP: uint16\_t |
| setPaceMode(enum): protected void  getPaceMode(): public enum  setPaceState(enum): protected void  getPaceState(): public enum  setHysteresisInterval(uint16\_t): protected void  getHysteresisInterval(): public uint16\_t  setLowRateInterval(uint16\_t): protected void  getLowRateInterval(): public uint16\_t  setvPaceAmp(uint16\_t): protected void  getvPaceAmp(): public uint16\_t  setvPaceWidth(uint16\_t): protected void  getvPaceWidth(): public uint16\_t  setVRP(uint16\_t): protected void  getVRP(): public uint16\_t |