**Class-Class Rules:**

* If a process is a SubProcess of another process, then it belongs to the Process class.
* If classes:Interval rdfs:subClassOf classes:KPI, then classes:Interval a owl:Class.
* If classes:KPI rdfs:subClassOf classes:state, then any individual of classes:KPI is also an individual of classes:state.
* If an object is a ProtectiveHelmet, then it belongs to the class shd:ProtectiveHelmet.
* If ind belongs to class KPI, Then ind belongs to class Interval.
* If ind belongs to class Process, Then ind belongs to class Predict.

**Class-Property Rules:**

* If a process has a KPI, then it has the property hasKPI with a value that belongs to the KPI class.
* If a process has a Resource, then it has the property hasResource with a value that belongs to the Resource class.
* If a process has an Input, then it has the property hasInput with a value that belongs to the Input class.
* If a process has an Output, then it has the property hasOutput with a value that belongs to the Output class.
* If prop:hasInter rdfs:domain classes:KPI, then prop:hasInter a owl:ObjectProperty.
* If prop:hasKPI rdfs:domain classes:Process, then prop:hasKPI a owl:ObjectProperty.
* If prop:SubProcess rdfs:domain classes:Process, then for any individual x and y, if prop:SubProcess(x, y), then x is an instance of classes:Process and y is an instance of classes:Process.
* If ind belongs to class Process, Then ind has property hasKPI.
* If a process has a property "Resource" of type "Pre-trained neural network", then it has a property "KPI" of type "Time of detection".
* If an object is a ProtectiveHelmet, then it belongs to the class shd:ProtectiveHelmet.
* If prop:hasInter rdfs:domain classes:KPI and prop:hasInter rdfs:range classes:Interval, then for any individual x and y, if prop:hasInter(x, y), then x is an instance of classes:KPI and y is an instance of classes:Interval.

**Property-Class Rules:**

* If a property has a KPI value, then that value belongs to the KPI class.
* If a property has a Resource value, then that value belongs to the Resource class.
* If a property has an Input value, then that value belongs to the Input class.
* If a property has an Output value, then that value belongs to the Output class.
* If prop:causes rdfs:range classes:Process, then prop:causes a owl:ObjectProperty.
* If prop:hasInter rdfs:range classes:Interval, then prop:hasInter a owl:ObjectProperty.
* If prop:hasKPI owl:inverseOf prop:hasInter, then for any individual x and y, if prop:hasKPI(x, y), then y is an instance of classes:KPI and x is an instance of classes:Interval.

**Property-Property Rules:**

* If a KPI has a minimum accuracy score, then it has the property hasMinAcc with a numeric value.
* If a KPI has a minimum time of detection, then it has the property hasMinTime with a numeric value.
* If prop:hasKPI rdfs:domain classes:Process and ind:kpi1 prop:hasKPI ind:proc1, then it is not the case that ind:proc1 prop:hasKPI ind:kpi1.

**Property-Property Rules (Different Subjects):**

* If a process has a SubProcess, then the SubProcess has the property prop:SubProcess with a value that belongs to the Process class.
* If a ProtectiveHelmet has a BoundingBox, then the BoundingBox has the property shd:inBoundingBox.
* If a ProtectiveHelmet is in the range of a Camera, then the Camera is in the domain of the ProtectiveHelmet.
* If ind1 has property hasKPI with range KPI and ind2 has property hasMinValue with range xsd:string, then ind1 owl:differentFrom ind2.
* If a ProtectiveHelmet has a BoundingBox, then the BoundingBox must be in the camera range of a Camera.
* If a ProtectiveHelmet has a unique ID, then it must not belong to a Human.