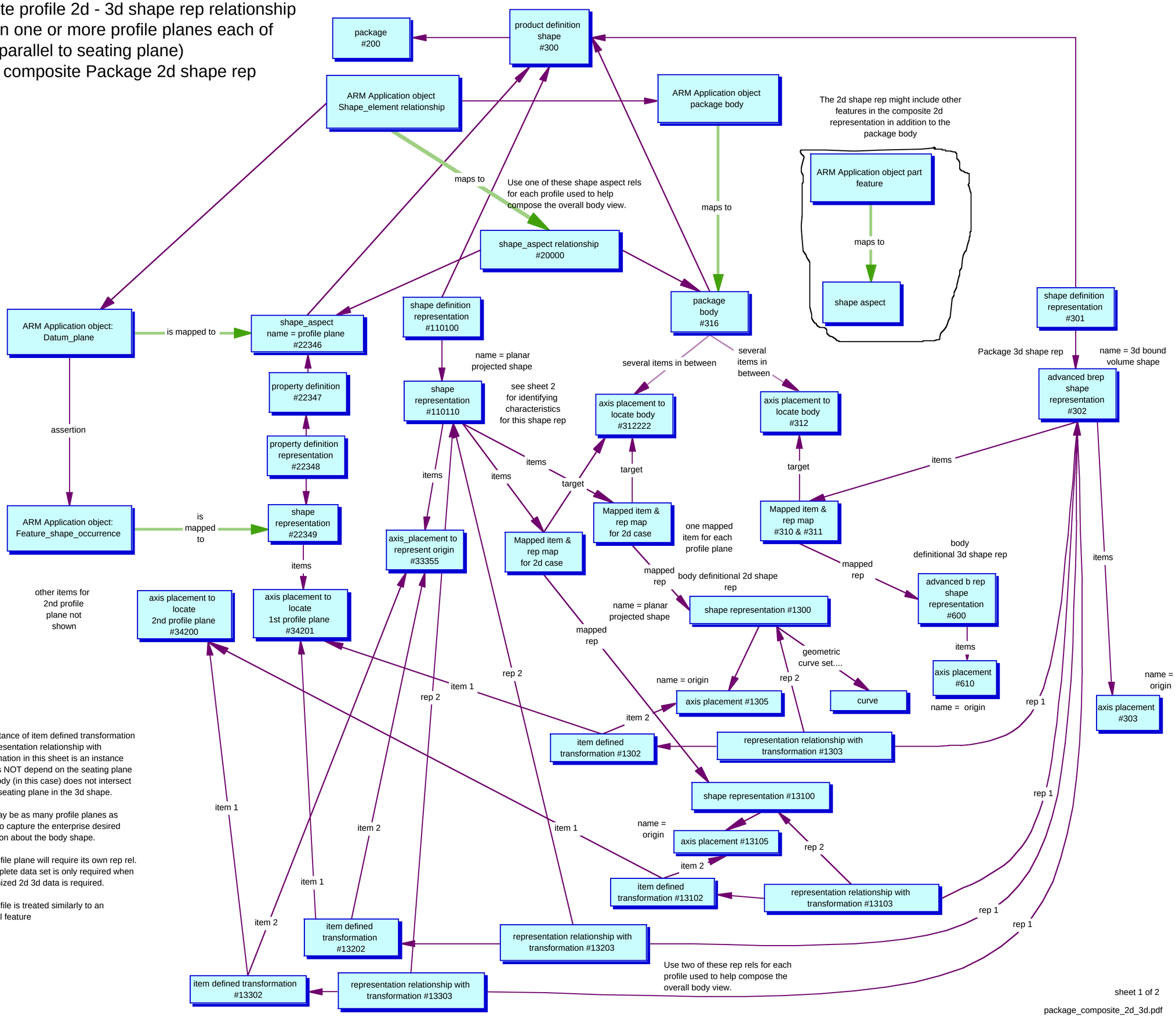
Composite profile 2d - 3d shape rep relationship
(based on one or more profile planes each of
which is parallel to seating plane)
Result is composite Package 2d shape rep

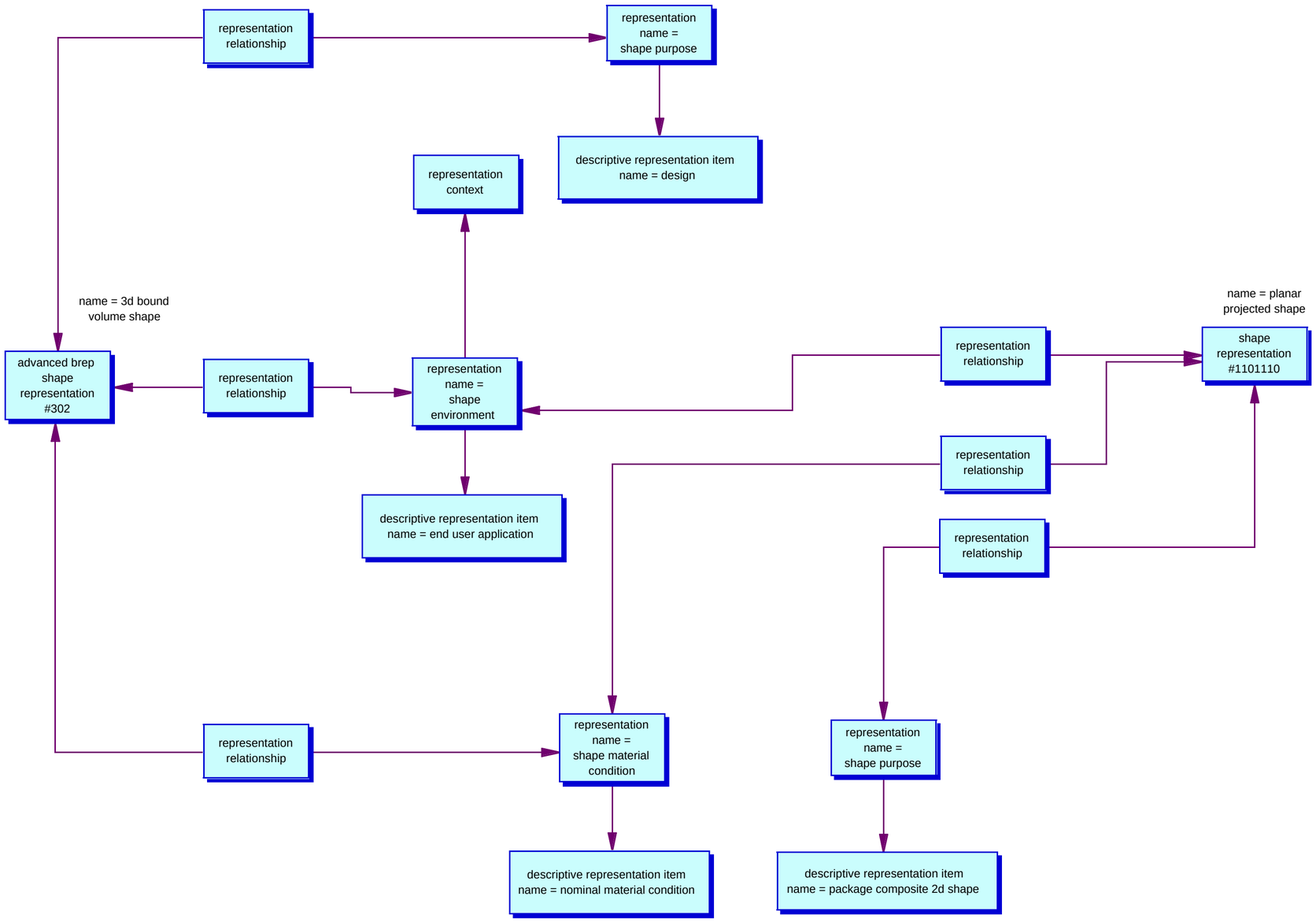


Each instance of item defined transformation and representation relationship with transformation in this sheet is an instance that does NOT depend on the seating plane as the body (in this case) does not intersect with the seating plane in the 3d shape.

There may be as many profile planes as needed to capture the enterprise desired information about the body shape.

Each profile plane will require its own rep rel. The complete data set is only required when synchronized 2d 3d data is required.

Each profile is treated similarly to an individual feature


representation relationship
representation name = shape purpose
descriptive representation item name = design
representation context
name = 3d bound volume shape
advanced brep shape representation #302
representation relationship
representation name = shape environment
representation relationship
name = planar projected shape
shape representation #1101110
representation relationship
descriptive representation item name = end user application
representation relationship
representation relationship
representation name = shape material condition
representation name = shape purpose
descriptive representation item name = nominal material condition
descriptive representation item name = package composite 2d shape