$$
AGR = \left\{ \overbrace{\begin{matrix} ProtocolVersion \\ K_{Professor} \end{matrix}}^{Header}, \overbrace{\left\{ \overbrace{\left\{ \begin{matrix} ProtocolVersion, \\ StudentIdentifier, \\ ProfessorName, \\ K_{Professor}, \\ UniversityName, \\ DateofIssue, \\ SubjectDateRange, \\ Subject \end{matrix} \right\}_{K^{-1}_{University}}}^{SubjectCertificate}, \overbrace{\left\{ \begin{matrix} ProtocolVersion, \\ StudentIdentifier, \\ ProfessorName, \\ K_{Professor}, \\ UniversityName, \\ DateofIssue, \\ SubjectDateRange, \\ Subject, \\ Grade \end{matrix} \right\}}^{GradeInformation} \right\}_{K^{-1}_{Professor}}}^{Body} \right\}
$$

$$ATD = \left\{ \overbrace{\begin{matrix} ProtocolVersion \\ UniversityName \\ DateofIssue \end{matrix}}^{Header}, \overbrace{\left\{ \begin{matrix} ProtocolVersion \\ StudentIdentifier \\ UniversityName \\ DateofIssue \\ DegreeType \\ DegreeStatus \\ AdditionalInformation \\ ListOfAGRs \end{matrix} \right\}_{K^{-1}_{University}}}^{Body} \right\}$$