This XML file does not appear to have any style information associated with it. The document tree is shown below.


```
<PerformancePlanOrReport>
  <Name>AI KR Strategists</Name>
  <Description>This plan defines the roles AI KR Strategists.</Description>
  <OtherInformation> </OtherInformation>
  <!-- Strategic Plan Core -->
  <StrategicPlanCore>
    <Organization>
      <Name>Artificial Intelligence Knowledge Representation Community Group</Name>
      <Acronym>AIKR CG</Acronym>
      <Identifier>Organization_cd4a9bd6-0ec8-425c-ae47-9599f9b4b209</Identifier>
      <Description> </Description>
      <Stakeholder StakeholderTypeType="Individual">
        <Name>Carl Mattocks</Name>
        <Description> </Description>
        <Role>
          <Name>CoChair</Name>
        </Role>
      </Stakeholder>
    </Organization>
    <Vision>
      <Description>Work performed and works created for each AI value proposition is clearly and
      transparently documented and measured.</Description>
      <Identifier>Vision_861566c8-e9be-4642-b52f-f673fa499f4e</Identifier>
    </Vision>
    <Mission>
      <Description>To be responsible and accountable for the selection, development, application and
      management of Knowledge Representation (KR) for Artificial Intelligence (AI).</Description>
      <Identifier>Mission_861566c8-e9be-4642-b52f-f673fa499f4e</Identifier>
    </Mission>
    <Goal>
      <Name>Strategic Plan</Name>
      <Description>Document the vision, values, goals, objectives for one or more AIKR
      objects</Description>
      <Identifier>Goal_995c0b60-d64c-445e-86c8-a6f755f5ed9a</Identifier>
      <SequenceIndicator>1</SequenceIndicator>
      <OtherInformation>An AI KR Object may be : * an algorithm (example - enable an entity to
      determine consequences; a set of instructions that provide the ability to monitor and/or move
      the environment; the rules that are used to change/manipulate/interpret data) * an ontology
      (which has a set of ontological commitments) See Goal - Ontological Statements (provides
      sufficient definition to allow measurement to be performed) * an Intelligent Reasoning
      (fragmentary) Theory, such as, * deduction, * induction, * abduction, * by analogy, *
      probabilistic, * case-based  * a Reasoning Mechanism (computational environment), such as, *
      natural language processer, * rules engine, * machine learning * a Vocabulary (medium of human
      expression)</OtherInformation>
      <Stakeholder StakeholderTypeType="Generic_Group">
        <Name>Human-in-the-Loop Controllers</Name>
        <Description>Human-in-the-Loop Controllers are humans that Train/Test AI systems. They
        control the inputs of the humans when humans are in the loop. As a simple example, they tag
        the initial images that are fed into the algorithms; later they come back and refine the
        patterns identified; ultimately they may also come back and test the outcome. See: *
        https://en.wikipedia.org/wiki/Human-in-the-loop  * https://humansintheloop.org/model-
        training/</Description>
        <Role>
          <Name>Model, test, evaluate and implement ethical approaches for Supervised Machine
          Learning of curated (labeled) data sets and the Active Learning training of algorithms via
          adjustment of parameters</Name>
        </Role>
      </Stakeholder>
      <Objective>
        <Name>Ontology</Name>
```

```
      <Description>Employ ontology content that removes ambiguity, supports performance measurement
      and enables buy in</Description>
      <Identifier>Objective_a3d0d024-38a2-44e2-8c05-feaf13fdfb1d</Identifier>
      <SequenceIndicator>1</SequenceIndicator>
      <OtherInformation>The AI Strategist will work, with the AI KR Strategist and / or other
      experts, to ensure that ontology content mitigates bias by employing a complete glossary of
      all the data used and utilizing an accurate representation of the (data) relationship rules
      identified in processing instructions. That is, the ontology,  Representational Adequacy is
      able represent all the required knowledge;Inferential Adequacy is able to manipulate the
      knowledge represented to produce new knowledge (inferred from the original);Acquisitional
      Efficiency is able to acquire new knowledge using  Human In-The-Loop and  /or Human Out-of-
      The-Loop methods</OtherInformation>
      <Stakeholder StakeholderTypeType="Generic_Group">
        <Name>AI KR Strategists</Name>
        <Description> </Description>
      </Stakeholder>
      <Stakeholder StakeholderTypeType="Generic_Group">
        <Name>AI Strategists</Name>
        <Description> </Description>
      </Stakeholder>
    </Objective>
    <Objective>
      <Name>Algorithms</Name>
      <Description>Understand the various different types of algorithms and where they can support
      business strategy</Description>
      <Identifier>Objective_72826a99-eaf8-482d-b07f-a09afa7d1379</Identifier>
      <SequenceIndicator>2</SequenceIndicator>
      <OtherInformation>Algorithms' capabilities and limitations should be explained in a manner
      that is adapted to stakeholder concerns and identifies how accuracy, robustness,
      computational cost and stability will be measured</OtherInformation>
    </Objective>
  </Goal>
  <Goal>
    <Name>Applications</Name>
    <Description>Understand the potential applications of AI to business strategies.</Description>
    <Identifier>Goal_2a903634-050d-43e0-9d2e-f0b1f3328635</Identifier>
    <SequenceIndicator>2</SequenceIndicator>
    <OtherInformation> </OtherInformation>
  </Goal>
  <Goal>
    <Name>Requirements</Name>
    <Description>Identify which areas of the requirements warrant AI solutions versus which can be
    achieved with other types of solutions</Description>
    <Identifier>Goal_a4a5f259-af0b-47f7-8e34-6c8eaefdae19</Identifier>
    <SequenceIndicator>3</SequenceIndicator>
    <OtherInformation> </OtherInformation>
  </Goal>
  <Goal>
    <Name>Glossaries</Name>
    <Description>Employ definitions from one or more glossaries when explaining AIKR object audit
    data, veracity facts and (human, social and technology) risk mitigation factors</Description>
    <Identifier>Goal_0083c58a-3d13-4e0e-95d1-8391c3f6414a</Identifier>
    <SequenceIndicator>4</SequenceIndicator>
    <OtherInformation>So that (business) people more readily understand the value that the
    glossaries bring.</OtherInformation>
  </Goal>
  <Goal>
    <Name>Risks</Name>
    <Description>Identify and mitigate risks and known threats</Description>
    <Identifier>Goal_bbeed24a-c843-427c-944e-08376a49ab9e</Identifier>
    <SequenceIndicator>5</SequenceIndicator>
    <OtherInformation>A guiding principle is that AIKR systems must mitigate risks.
    </OtherInformation>
    <Stakeholder StakeholderTypeType="Organization">
      <Name>DARPA</Name>
```

```
    <Description> </Description>
    <Role>
      <Name> </Name>
      <Description>This goal arose in reference to the DARPA initiative.</Description>
    </Role>
  </Stakeholder>
  <Objective>
    <Name>Consequences</Name>
    <Description>Identify and minimize adverse and/or unintended consequences</Description>
    <Identifier>Objective_fab00957-6d05-461b-a684-197efdecef6e</Identifier>
    <SequenceIndicator>1</SequenceIndicator>
    <OtherInformation>"Environment" includes the natural environment, as well as socio-economic
    and societal environments. * Minimise the risk of unintended consequences. * AI shall do no
    harm * When you're testing something, you should not alter the environmental conditions. *
    The social and societal impact should be carefully considered</OtherInformation>
  </Objective>
  <Objective>
    <Name>Data</Name>
    <Description>Ensure data quality and integrity</Description>
    <Identifier>Objective_545676f5-3cde-4aa5-9e22-1a4a0f108e85</Identifier>
    <SequenceIndicator>2</SequenceIndicator>
    <OtherInformation>Data quality: the data is fit for its intended purpose/use. Is supported by
    a systematic method for driving agreement on the definitions of categories. Data integrity:
    is the maintenance and assurance of the accuracy and consistency of data over its entire
    life-cycle. Is supported by a monitoring system that compares actual outcome with predicted
    accuracy</OtherInformation>
  </Objective>
  <Objective>
    <Name>Bias</Name>
    <Description>Identify and reduce bias in AI KR objects</Description>
    <Identifier>Objective_1ea3840a-0a5c-452e-afcf-1a486d38fbc5</Identifier>
    <SequenceIndicator>3</SequenceIndicator>
    <OtherInformation>Bias is disproportionate weight in favour of or against an idea or thing,
    usually in a way that is closed-minded, prejudicial or unfair. A bias is a systematic error.
    </OtherInformation>
  </Objective>
  <Objective>
    <Name>Security </Name>
    <Description>Guard against illegitimate access whilst ensuring legitimate
    access</Description>
    <Identifier>Objective_036d44e3-15a7-416e-b93e-a6a9b7941229</Identifier>
    <SequenceIndicator>4</SequenceIndicator>
    <OtherInformation>Security means protection as well as the measures taken to be safe or
    protected.</OtherInformation>
  </Objective>
  <Objective>
    <Name>Control</Name>
    <Description>Design the criteria to control the use (and misuse) of algorithms and
    data</Description>
    <Identifier>Objective_0548440c-d869-4347-89de-6b8157947b6f</Identifier>
    <SequenceIndicator>5</SequenceIndicator>
    <OtherInformation>Control: * control of the algorithms: To stop them from learning beyond our
    ability to control them. * control of the people who develop (strategists and developers) and
    use algorithms: they can be used for good or for evil.</OtherInformation>
    <Stakeholder StakeholderTypeType="Generic_Group">
      <Name>AI KR Strategists</Name>
      <Description> </Description>
    </Stakeholder>
    <Stakeholder StakeholderTypeType="Generic_Group">
      <Name>AI Developers</Name>
      <Description> </Description>
    </Stakeholder>
    <Stakeholder StakeholderTypeType="Generic_Group">
      <Name>Users of AI systems</Name>
      <Description> </Description>
```

```
      </Stakeholder>
    </Objective>
    <Objective>
      <Name>Intellectual Property</Name>
      <Description>Manage Intellectual Property rights over AI KR works</Description>
      <Identifier>Objective_703a1123-98b1-401c-a691-1cc441b4953b</Identifier>
      <SequenceIndicator>6</SequenceIndicator>
      <OtherInformation>What works can be protected, and what form of protection can be used for
      them?</OtherInformation>
      <PerformanceIndicator ValueChainStage="Output" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>12</SequenceIndicator>
        <MeasurementDimension>Existing rights</MeasurementDimension>
        <UnitOfMeasurement>Number of works</UnitOfMeasurement>
        <Identifier>PerformanceIndicator_a3e916c2-f559-499b-990d-c70667a5fe1d</Identifier>
        <OtherInformation>Number of works with existing rights identified.</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Output" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>13</SequenceIndicator>
        <MeasurementDimension>Created Rights</MeasurementDimension>
        <UnitOfMeasurement>Unit of works</UnitOfMeasurement>
        <Identifier>PerformanceIndicator_8456a4c3-4628-4e18-a513-d2e7b55f37d9</Identifier>
        <OtherInformation>Number of works for which Intellectual Property rights have been
        created</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Output" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>14</SequenceIndicator>
        <MeasurementDimension>Protected works</MeasurementDimension>
        <UnitOfMeasurement>Works</UnitOfMeasurement>
        <Identifier>PerformanceIndicator_dd25215a-04db-47da-bda1-1f57a84fdd3e</Identifier>
        <OtherInformation>Proportion of works with intellectual property rights in
        place</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>15</SequenceIndicator>
        <MeasurementDimension>Disputes raised</MeasurementDimension>
        <UnitOfMeasurement>Disputes</UnitOfMeasurement>
        <Identifier>PerformanceIndicator_6daeccd3-ce51-4948-b5a2-015df706df67</Identifier>
        <OtherInformation>Number of disputes raised: * against you, or * by you for innapropriate
        use of works</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>16</SequenceIndicator>
        <MeasurementDimension>Disputes resolved</MeasurementDimension>
        <UnitOfMeasurement>Disputes</UnitOfMeasurement>
        <Identifier>PerformanceIndicator_459e381e-9131-4fd8-a1f6-55f18bb7520c</Identifier>
        <OtherInformation> </OtherInformation>
      </PerformanceIndicator>
    </Objective>
    <Objective>
      <Name>Privacy </Name>
      <Description>Protect the rights of the individuals/corporations whose data is
      processed</Description>
      <Identifier>Objective_46348127-5596-4b21-8d17-5bf451701316</Identifier>
      <SequenceIndicator>7</SequenceIndicator>
      <OtherInformation>Ensuring data is processed with the permission of the people to whom it
      pertains. E.g. GDPR, intellectual property, etc.</OtherInformation>
    </Objective>
    <Objective>
      <Name>Governance</Name>
      <Description>Design governance in line with the risk tolerance</Description>
      <Identifier>Objective_5336be3a-69dd-40b8-b18f-fef6cb1e87a0</Identifier>
      <SequenceIndicator>8</SequenceIndicator>
      <OtherInformation>Data and algorithm governance.</OtherInformation>
    </Objective>
  </Goal>
```

```
<Goal>
  <Name>Compliance</Name>
  <Description>Ensure AI Systems comply with all applicable laws and regulations, such as,
  provision audit data defined by a governance operating model</Description>
  <Identifier>Goal_b71896a0-3d86-4713-a720-15738315e36b</Identifier>
  <SequenceIndicator>6</SequenceIndicator>
  <OtherInformation>Compliance policies and procedures ensure that a planned change to a KR
  Object usage will comply with applicable laws/regulations during the identification,
  development, documentation, testing, validation, implementation, modification, use and
  retirement lifecycle</OtherInformation>
</Goal>
<Goal>
  <Name>Ethics</Name>
  <Description>Ensure AI Systems adhere to principles of ethics</Description>
  <Identifier>Goal_bbcb3dc4-5946-4d7d-b43f-0a55af305cc2</Identifier>
  <SequenceIndicator>7</SequenceIndicator>
  <OtherInformation> </OtherInformation>
  <Objective>
    <Name>Autonomy</Name>
    <Description>Find the balance between human control/oversight and machine
    autonomy</Description>
    <Identifier>Objective_28520dbc-b02c-4e4f-a93e-e91ffaff0659</Identifier>
    <SequenceIndicator>1</SequenceIndicator>
    <OtherInformation>Oversight controls will enable the assessment of algorithms, data and
    design processes</OtherInformation>
  </Objective>
  <Objective>
    <Name>Veracity</Name>
    <Description>Veracity</Description>
    <Identifier>Objective_7a9d8c77-e826-4a55-8641-e7812145de41</Identifier>
    <SequenceIndicator>2</SequenceIndicator>
    <OtherInformation> </OtherInformation>
  </Objective>
  <Objective>
    <Name>Accountability</Name>
    <Description>Accountability</Description>
    <Identifier>Objective_fc02c4bf-a0cc-42b3-9452-05d06965e47f</Identifier>
    <SequenceIndicator>3</SequenceIndicator>
    <OtherInformation> </OtherInformation>
  </Objective>
  <Objective>
    <Name>Confidentiality</Name>
    <Description>Confidentiality</Description>
    <Identifier>Objective_4fc0efcb-adaa-4ead-926b-4ab5512b62a5</Identifier>
    <SequenceIndicator>4</SequenceIndicator>
    <OtherInformation> </OtherInformation>
  </Objective>
</Goal>
<Goal>
  <Name>Robustness</Name>
  <Description>Ensure AI Systems are designed to handle uncertainty and tolerate perturbation
  from a likely threat perspective, such as, design considerations incorporate human, social and
  technology risk factors</Description>
  <Identifier>Goal_5a34fa22-8d74-402f-b111-d0e585de11a2</Identifier>
  <SequenceIndicator>8</SequenceIndicator>
  <OtherInformation> </OtherInformation>
</Goal>
<Goal>
  <Name>Outcomes</Name>
  <Description>Track AIKR object performance outcome via KPI (Key Performance Indicator) based on
  supervised learning models measurements</Description>
  <Identifier>Goal_e2b04ebe-49d3-43f3-a723-a44135690f64</Identifier>
  <SequenceIndicator>9</SequenceIndicator>
  <OtherInformation> </OtherInformation>
</Goal>
```

```
<Goal>
  <Name>Algorithm Evaluation</Name>
  <Description>Evaluate Algorithms</Description>
  <Identifier>Goal_56cd3982-542c-4719-965e-0bcce6606a01</Identifier>
  <SequenceIndicator>10</SequenceIndicator>
  <OtherInformation>Assess how well Algorithm results match actual outcomes to determine * how
  sensitive inferences made are to the parameters and * the proportion of observations made were
  accurately predicted. When needed the algorithmic impact assessments will also identify cause
  and effect of any biases.</OtherInformation>
  <Stakeholder StakeholderTypeType="Organization">
    <Name>Artificial Intelligence Knowledge Representation Community Group (AIKR CG)</Name>
    <Description> </Description>
    <Role>
      <Name>Community of Interest</Name>
    </Role>
  </Stakeholder>
  <Objective>
    <Name>Trustworthiness</Name>
    <Description>Advance use of AI safeguards</Description>
    <Identifier>Objective_fa222026-9d57-4423-9433-9933bfe755e0</Identifier>
    <SequenceIndicator>1</SequenceIndicator>
    <OtherInformation>Advance use of AI change management, knowledge representation performance
    evaluation, algorithmic impact assessment and context aware safeguards for a reliable, safe
    and transparent outcome</OtherInformation>
  </Objective>
  <Objective>
    <Name>Classification</Name>
    <Description>Track Classification Performance Indicators</Description>
    <Identifier>Objective_964efa5e-58a7-4d9a-a839-daa8aef2a857</Identifier>
    <SequenceIndicator>2</SequenceIndicator>
    <OtherInformation>Ontological Statement: Classification Accuracy is the ratio of number of
    correct class label predictions to the total number of input samples data. Ontological
    Statement: F1 Score measure the Harmonic Mean between precision and recall. The range for F1
    Score is [0, 1]. It tells you how precise your classifier is (how many instances it
    classifies correctly), as well as how robust it is (it does not miss a significant number of
    instances).</OtherInformation>
    <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
      <SequenceIndicator>1</SequenceIndicator>
      <MeasurementDimension>Precision Recall</MeasurementDimension>
      <UnitOfMeasurement/>
      <Identifier>PerformanceIndicator_25badc58-238a-4cb5-ad8e-c218b425b3a0</Identifier>
      <OtherInformation>Ontological Statement: Precision is the number of correct positive
      results divided by the number of positive results predicted by the classifier. Ontological
      Statement: Recall is the number of correct positive results divided by the number of all
      relevant samples (all samples that should have been identified as positive).
      </OtherInformation>
    </PerformanceIndicator>
    <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
      <SequenceIndicator>2</SequenceIndicator>
      <MeasurementDimension>Accuracy</MeasurementDimension>
      <UnitOfMeasurement/>
      <Identifier>PerformanceIndicator_1611aab4-de88-4a4f-ad30-f74165037856</Identifier>
      <OtherInformation>Ontological Statement: Classification Rate or Accuracy is given by the
      relation: True Positives + True Negatives / All Instances (True & False Positives + True &
      False Negatives)</OtherInformation>
    </PerformanceIndicator>
    <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
      <SequenceIndicator>3</SequenceIndicator>
      <MeasurementDimension>Confusion Matrix</MeasurementDimension>
      <UnitOfMeasurement/>
      <Identifier>PerformanceIndicator_4a78f4f9-6bd5-4382-85c4-d0bfb0c16549</Identifier>
      <OtherInformation>Ontological Statement: A confusion matrix is a summary of prediction
      results on a classification problem. The number of correct and incorrect predictions are
      summarized with count values and broken down by each class (the types of errors being made)
      Types : * True Positives : The cases in which we predicted YES and the actual output was
```

also YES. * True Negatives : The cases in which we predicted NO and the actual output was NO. * False Positives : The cases in which we predicted YES and the actual output was NO. * False Negatives : The cases in which we predicted NO and the actual output was YES. Accuracy for the matrix can be calculated by taking average of the values lying across the “main diagonal” Type StartDate EndDate Description Target Number of True Positives Target Number of False Positives Target Number of True Negatives Target Number of False Negatives Actual [To be determined]</OtherInformation>
</PerformanceIndicator>
<PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
<SequenceIndicator>4</SequenceIndicator>
<MeasurementDimension>Per-class accuracy</MeasurementDimension>
<UnitOfMeasurement/>
<Identifier>PerformanceIndicator_6d27fb46-89e0-40ca-9fd6-680f760608bd</Identifier>
<OtherInformation> </OtherInformation>
</PerformanceIndicator>
<PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
<SequenceIndicator>5</SequenceIndicator>
<MeasurementDimension>Log-Loss</MeasurementDimension>
<UnitOfMeasurement/>
<Identifier>PerformanceIndicator_102e78ab-4e9a-4d04-8476-06b7121b3294</Identifier>
<OtherInformation>Ontological Statement: Logarithmic loss (related to cross-entropy) measures the performance of a classification model where the prediction input is a probability value between 0 and 1 - Log loss increases as the predicted probability diverges from the actual label Logarithmic Loss or Log Loss, works by penalising the false classifications. It works well for multi-class classification. When working with Log Loss, the classifier must assign probability to each class for all the samples. where, y_ij, indicates whether sample i belongs to class j or not p_ij, indicates the probability of sample i belonging to class j Log Loss has no upper bound and it exists on the range [0, ∞). Log Loss nearer to 0 indicates higher accuracy, whereas if the Log Loss is away from 0 then it indicates lower accuracy. In general, minimising Log Loss gives greater accuracy for the classifier.</OtherInformation>
</PerformanceIndicator>
<PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
<SequenceIndicator>6</SequenceIndicator>
<MeasurementDimension>AUC-ROC Curve</MeasurementDimension>
<UnitOfMeasurement/>
<Identifier>PerformanceIndicator_d784403b-241c-418c-bd14-7930f884a440</Identifier>
<OtherInformation>Ontological Statement: check performance of multi - class classification AUROC (Area Under the Receiver Operating Characteristics) curve.Ontological Statement: Area Under Curve(AUC) is one of the most widely used metrics for evaluation. It is used for binary classification problem. AUC of a classifier is equal to the probability that the classifier will rank a randomly chosen positive example higher than a randomly chosen negative example. True Positive Rate (Sensitivity) : True Positive Rate is defined as TP/ (FN+TP). True Positive Rate corresponds to the proportion of positive data points that are correctly considered as positive, with respect to all positive data points. False Positive Rate (Specificity) : False Positive Rate is defined as FP / (FP+TN). False Positive Rate corresponds to the proportion of negative data points that are mistakenly considered as positive, with respect to all negative data points.</OtherInformation>
</PerformanceIndicator>
<PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
<SequenceIndicator>7</SequenceIndicator>
<MeasurementDimension>F-measure</MeasurementDimension>
<UnitOfMeasurement/>
<Identifier>PerformanceIndicator_1621ab3f-2e83-484b-95cb-89b63ecb46d9</Identifier>
<OtherInformation>F1 Score is the Harmonic Mean between precision and recall. Ontological Statement: F-measure represents both Precision and Recall it helps to have a measurement that represents both of them. F-measure is calculated using Harmonic Mean (in place of Arithmetic Mean). Ontological Statement: Mean Absolute Error is the average of the difference between the Original Values and the Predicted Values. It gives us the measure of how far the predictions were from the actual output. Ontological Statement: Mean Squared Error(MSE) takes the average of the square of the difference between the original values and the predicted values.</OtherInformation>
</PerformanceIndicator>
<PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
<SequenceIndicator>8</SequenceIndicator>

```
        <MeasurementDimension>NDCG</MeasurementDimension>
        <UnitOfMeasurement/>
        <Identifier>PerformanceIndicator_2f9b2c7a-892f-4433-8705-00267505f2bc</Identifier>
        <OtherInformation>Ontological Statement: Normalized discounted cumulative gain (DCG) is a
        measure of ranking quality. In information retrieval, DCG measures the usefulness, or gain,
        of a document based on its position in the result list.</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>9</SequenceIndicator>
        <MeasurementDimension>Regression Analysis</MeasurementDimension>
        <UnitOfMeasurement/>
        <Identifier>PerformanceIndicator_8d8ced68-00f3-4604-a350-bab9e4984375</Identifier>
        <OtherInformation>Root Mean Square Error (RMSE) Ontological Statement: Root Mean Square
        Error (RMSE) is the standard deviation of the residuals (prediction errors). Residuals are
        a measure of how far from the regression line data points are; RMSE is a measure of how
        spread out these residuals are.</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>10</SequenceIndicator>
        <MeasurementDimension>Quantiles of Errors</MeasurementDimension>
        <UnitOfMeasurement/>
        <Identifier>PerformanceIndicator_5e57c985-7a58-4cf6-b711-2cf7ad3ddd9e</Identifier>
        <OtherInformation>Quantiles (or percentiles), which is the element of a set that is larger
        than half of the set, and smaller than the other half.</OtherInformation>
      </PerformanceIndicator>
      <PerformanceIndicator ValueChainStage="Outcome" PerformanceIndicatorType="Quantitative">
        <SequenceIndicator>11</SequenceIndicator>
        <MeasurementDimension>"Almost correct" predictions</MeasurementDimension>
        <UnitOfMeasurement/>
        <Identifier>PerformanceIndicator_0ef5a0b6-499e-4128-a3fa-b112e098a49b</Identifier>
        <OtherInformation> </OtherInformation>
      </PerformanceIndicator>
    </Objective>
  </Goal>
  <Goal>
    <Name>KR Objects</Name>
    <Description>Evaluate KR Object Performance</Description>
    <Identifier>Goal_2fdd92f6-fce6-41f7-b914-993aac92123e</Identifier>
    <SequenceIndicator>11</SequenceIndicator>
    <OtherInformation>KR Object oversight mechanisms will define how performance measurements are
    used via human-in-the-loop, human-on-the-loop, and human-in-command
    approaches</OtherInformation>
  </Goal>
</StrategicPlanCore>
<!-- Administrative Information -->
<AdministrativeInformation>
  <Identifier>StrategyPlan_861566c8-e9be-4642-b52f-f673fa499f4e</Identifier>
  <StartDate>2020-04-01</StartDate>
  <EndDate> </EndDate>
  <PublicationDate>2022-05-06</PublicationDate>
  <Source>https://www.stratnavapp.com/StratML/Part2/861566c8-e9be-4642-b52f-f673fa499f4e</Source>
  <Submitter>
    <Identifier>Submitter_861566c8-e9be-4642-b52f-f673fa499f4e</Identifier>
    <GivenName>Carl</GivenName>
    <Surname>Mattocks</Surname>
    <PhoneNumber> </PhoneNumber>
    <EmailAddress>CarlMattocks@WellnessIntelligence.Institute</EmailAddress>
  </Submitter>
</AdministrativeInformation>
</PerformancePlanOrReport>
```