

ROS 2 Message Packages API Review

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Process

Please read through the listed APIs and if you have any comments fill them out here:

https://docs.google.com/forms/d/e/1FAIpQLSeNogqYD0tPe7CKBP0dpSqFmf54NzWpj8ksN8vuAq55Jupylg/viewform?usp=sf_link

These comments will be used as an starting point for the review.

Repositories:

common_interfaces

actionlib_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/actionlib_msgs/msg/GoalID.msg
- https://github.com/ros2/common_interfaces/blob/master/actionlib_msgs/msg/GoalStatus.msg
- https://github.com/ros2/common_interfaces/blob/master/actionlib_msgs/msg/GoalStatusArray.msg

diagnostic_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/diagnostic_msgs/msg/DiagnosticArray.msg
- https://github.com/ros2/common_interfaces/blob/master/diagnostic_msgs/msg/DiagnosticStatus.msg
- https://github.com/ros2/common_interfaces/blob/master/diagnostic_msgs/msg/KeyValue.msg

Srv

- https://github.com/ros2/common_interfaces/blob/master/diagnostic_msgs/srv/AddDiagnostics.srv
- https://github.com/ros2/common_interfaces/blob/master/diagnostic_msgs/srv/SelfTest.srv

geometry_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Accel.msg

- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/AccelStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/AccelWithCovariance.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/AccelWithCovarianceStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Inertia.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/InertiaStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Point.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Point32.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PointStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Polygon.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PolygonStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Pose.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Pose2D.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PoseArray.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PoseStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PoseWithCovariance.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/PoseWithCovarianceStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Quaternion.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/QuaternionStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Transform.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/TransformStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Twist.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/TwistStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/TwistWithCovariance.msg

- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/TwistWithCovarianceStamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Vector3.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Vector3Stamped.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/Wrench.msg
- https://github.com/ros2/common_interfaces/blob/master/geometry_msgs/msg/WrenchStamped.msg

nav_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/msg/GridCells.msg
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/msg/MapMetaData.msg
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/msg/OccupancyGrid.msg
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/msg/Odometry.msg
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/msg/Path.msg

Srv

- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/srv/GetMap.srv
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/srv/GetPlan.srv
- https://github.com/ros2/common_interfaces/blob/master/nav_msgs/srv/SetMap.srv

sensor_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/BatteryState.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/CameraInfo.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/ChannelFloat32.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/CompressedImage.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/FluidPressure.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Illuminance.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Image.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Imu.msg

- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/JointState.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Joy.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/JoyFeedback.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/JoyFeedbackArray.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/LaserEcho.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/LaserScan.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/MagneticField.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/MultiDOFJointState.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/MultiEchoLaserScan.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/NavSatFix.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/NavSatStatus.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/PointCloud.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/PointCloud2.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/PointField.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Range.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/RegionOfInterest.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/RelativeHumidity.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/Temperature.msg
- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/msg/TimeReference.msg

Srv

- https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/srv/SetCameraInfo.srv

Implementations

- Distortion model constants:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/distortion_models.hpp

- Fill image:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/fill_image.hpp
- Image encodings:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/image_encodings.hpp
- Point cloud 2 iterator:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/point_cloud2_iterator.hpp
- Point cloud conversion:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/point_cloud_conversion.hpp
- Point field conversion:
https://github.com/ros2/common_interfaces/blob/master/sensor_msgs/include/sensor_msgs/point_field_conversion.hpp

shape_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/shape_msgs/msg/Mesh.msg
- https://github.com/ros2/common_interfaces/blob/master/shape_msgs/msg/MeshTriangle.msg
- https://github.com/ros2/common_interfaces/blob/master/shape_msgs/msg/Plane.msg
- https://github.com/ros2/common_interfaces/blob/master/shape_msgs/msg/SolidPrimitive.msg

std_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Bool.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Byte.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/ByteMultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Char.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/ColorRGBA.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Empty.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Float32.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Float32MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Float64.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Float64MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Header.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int16.msg

- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int16MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int32.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int32MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int64.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int64MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int8.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/Int8MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/MultiArrayDimension.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/MultiArrayLayout.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/String.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt16.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt16MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt32.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt32MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt64.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt64MultiArray.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt8.msg
- https://github.com/ros2/common_interfaces/blob/master/std_msgs/msg/UInt8MultiArray.msg

std_srvs

Srv

- https://github.com/ros2/common_interfaces/blob/master/std_srvs/srv/Empty.srv
- https://github.com/ros2/common_interfaces/blob/master/std_srvs/srv/SetBool.srv
- https://github.com/ros2/common_interfaces/blob/master/std_srvs/srv/Trigger.srv

stereo_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/stereo_msgs/msg/DisparityImage.msg

trajectory_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/trajectory_msgs/msg/JointTrajectory.msg
- https://github.com/ros2/common_interfaces/blob/master/trajectory_msgs/msg/JointTrajectoryPoint.msg
- https://github.com/ros2/common_interfaces/blob/master/trajectory_msgs/msg/MultiDOFJointTrajectory.msg
- https://github.com/ros2/common_interfaces/blob/master/trajectory_msgs/msg/MultiDOFJointTrajectoryPoint.msg

visualization_msgs

Msg

- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/ImageMarker.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarker.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarkerControl.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarkerFeedback.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarkerInit.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarkerPose.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/InteractiveMarkerUpdate.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/Marker.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/MarkerArray.msg
- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/msg/MenuEntry.msg

Srv

- https://github.com/ros2/common_interfaces/blob/master/visualization_msgs/srv/GetInteractiveMarkers.srv

example_interfaces

Services

- https://github.com/ros2/example_interfaces/blob/master/srv/AddTwoInts.srv

Actions

- https://github.com/ros2/example_interfaces/blob/master/action/Fibonacci.action

rcl_interfaces

action_msgs

Msg

- https://github.com/ros2/rcl_interfaces/blob/master/action_msgs/msg/GoalInfo.msg
- https://github.com/ros2/rcl_interfaces/blob/master/action_msgs/msg/GoalStatus.msg
- https://github.com/ros2/rcl_interfaces/blob/master/action_msgs/msg/GoalStatusArray.msg

Srv

- https://github.com/ros2/rcl_interfaces/blob/master/action_msgs/srv/CancelGoal.srv

builtin_interfaces

Msg

- https://github.com/ros2/rcl_interfaces/blob/master/builtin_interfaces/msg/Duration.msg
- https://github.com/ros2/rcl_interfaces/blob/master/builtin_interfaces/msg/Time.msg

composition_interfaces

Srv

- https://github.com/ros2/rcl_interfaces/blob/master/composition_interfaces/srv/ListNodes.srv
- https://github.com/ros2/rcl_interfaces/blob/master/composition_interfaces/srv/LoadNode.srv
- https://github.com/ros2/rcl_interfaces/blob/master/composition_interfaces/srv/UnloadNode.srv

lifecycle_msgs

Msg

- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/msg/State.msg
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/msg/Transition.msg
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/msg/TransitionDescription.msg
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/msg/TransitionEvent.msg

Srv

- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/srv/ChangeState.srv
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/srv/GetAvailableStates.srv
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/srv/GetAvailableTransitions.srv
- https://github.com/ros2/rcl_interfaces/blob/master/lifecycle_msgs/srv/GetState.srv

rcl_interfaces

Msg

- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/FloatingPointRange.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/IntegerRange.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/IntraProcessMessage.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ListParametersResult.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/Log.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/Parameter.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ParameterDescriptor.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ParameterEvent.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ParameterEventDescriptors.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ParameterType.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/ParameterValue.msg
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/msg/SetParametersResult.msg

Srv

- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/DescribeParameters.srv
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/GetParameterTypes.srv
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/GetParameters.srv
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/ListParameters.srv
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/SetParameters.srv
- https://github.com/ros2/rcl_interfaces/blob/master/rcl_interfaces/srv/SetParametersAtomically.srv

rosgraph_msgs

Msg

- https://github.com/ros2/rcl_interfaces/blob/master/rosgraph_msgs/msg/Clock.msg

test_msgs

N/A

unique_identifier_msgs

Just one message to review

Messages

- https://github.com/ros2/unique_identifier_msgs/blob/master/msg/UUID.msg

navigation_msgs

map_msgs

Messages

- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/msg/OccupancyGridUpdate.msg
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/msg/PointCloud2Update.msg
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/msg/ProjectedMap.msg
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/msg/ProjectedMapInfo.msg

Services

- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/GetMapROI.srv
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/GetPointMap.srv
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/GetPointMapROI.srv
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/ProjectedMapsInfo.srv
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/SaveMap.srv
- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/map_msgs/srv/SetMapProjections.srv

move_base_actions

- https://github.com/ros-planning/navigation_msgs/blob/jade-devel/move_base_msgs/action/MoveBase.action