

Organizations worldwide utilise ADG's royalty-free online and offline IETM Viewer, gaining advanced publication generation capabilities.

Defense, aerospace and heavy engineering organizations need to provide maintainers and systems operators with authorized, accurate and integrated information to ensure the safe and efficient operation of complex systems.

The R4i Common Source DataBase (CSDB) Server outputs content for this smart, installable Viewer for the Microsoft Windows platform. The R4i Viewer® is licensed as royalty FREE to distribute for R4i CSDB Server® Customers.

R4i Viewer® supports the dynamic presentation of SGML, XML and PDF formats, as well as audio, video and other written and graphical content.

## Advanced publication capabilities

The R4i Viewer® enables companies to leverage the R4i CSDB Server's® advanced publication generation capabilities and options, including:

- The ability to generate IETM change packages, based on change attributes within S1000D Data Modules or based on R4i CSDB Server® monitoring change.
- Advanced control of the IETMs interaction and presentation to the maintainer, including switchable interface to "touch friendly" tablet setting.

- Auto-generated acronyms, support equipment and parts and consumables lists, using content derived from Procedural Data Modules.
- Control content and technical information security via data encryption and IETM expiry.
- Pre-select preferred language for Viewer or toggle to switch language interface mid-session.
- Display information based on applicability, including combinations such as tail number, vessel name or model variant.
- Integrated 2D and 3D graphics support.
- Support for observed and detected fault codes, reducing system downtime.
- Advanced Illustrated Parts catalog display including integration into stores ordering systems and multi-directional linking between parts lists and image hotspots.
- Configurable Landing Pages inside R4i Viewer®, including an image with hotspot zones to give users a short cut to specific Data Modules, Images and/ Folders.

Figure 1 - Complete Bicycle

Item	Refer to	Definition
Frame	[10]	A bicycle frame is made of metal tubes that are welded together. The subunits include these parts: <ul style="list-style-type: none"><li>• Hub</li><li>• Spokes</li><li>• Metal rim</li><li>• Rubber tire</li></ul>
Wheels		
• Rear wheel	[7]	

## Benefits of using the R4i Viewer®

The R4i Viewer® is a powerful Windows-based IETM application that provides maintainers and operators with an interactive and unified view of manuals, eLearning courseware and maintenance job tasking.

The R4i Viewer is **royalty FREE to distribute** with content published from the R4i CSDB Server®.

The R4i Viewer offers:

- Advanced search, including parts searching.
- A FREE CGM viewer capability with Cortona 2D Viewer.
- Bookmark, cookie-trail and other easy navigation capabilities.
- Full support for multi-directional hotspotting & legend data with CGM graphics.
- Support for dynamic presentation of SGML and XML data.
- Applicability management controlled in IETM.

- The ability for maintainers in the field to provide feedback via the “Tech Note” feature, or via Comment Module with R4i ReViewer.
- Online or off-line IETM /CDMS access out in the field.
- Apply soft or hard date expiry to prevent access to outdated content.
- Incorporate “just in time” training within the IETM.
- Support for legacy content including PDF, PPT, Word and Excel formats.
- Allow Data Modules to be found via custom DMC filtering.

R4i Viewer is also utilized by leading organizations and Defense Department’s around the world.

The U.S. Air Force Grid, U.S. Coast Guard Network and the Australian Defence Restricted Network has approved the R4i Viewer for use.

The screenshot displays the R4i Viewer application window titled "Canopy Assembly - 977 ROPS/FOPS - Illustrated Parts Data - IPI". The interface is split into two main panes. The left pane shows a 3D CAD model of a canopy assembly with green callouts and a legend. The right pane displays a table titled "Figure 1 - Canopy Assembly" with the following data:

Time	Qty	Manufacturer	Part Number	Description	Link
1	1	MACL	1068104	CANOPY W/DO, 977	
2	6	MACL	1068104	SHM, CANOPY 1/2"	
3	8	MACL	91803	WASHER, 1" X SHM, CANOPY 1/2"	
4	4	MACL	512320	NUT, 1" SUNC	
5	5	MACL	509314	HHCS, 7/8" SUNC X 3/2"	
6	10	MACL	91810	WASHER, 7/8" FLAT	
7	5	MACL	1066077	NUT, 7/8" SUNC	
8	4	MACL	102473	HHCS, 1" SUNC X 9"	
9	2	MACL	1068105	SHM, CANOPY 3/16"	
10	4	MACL	1068106	SHM, CANOPY 1/16"	
11	1	MACL	100843	TAPE, REFLECTIVE WHITE	
12	1	MACL	100842	TAPE, REFLECTIVE WHITE	
13	1	MACL	1068103	DOC, CANOPY ROPS/FOPS	

Below the table, there is a section for "Referenced Technical Publications" with one entry:

Number	Title	Link
18	OPS1002/1004/1005/1006/1007/1008/1009/1010/1011/1012/1013/1014/1015/1016/1017/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/1244/1245/1246/1247/1248/1249/1250/1251/1252/1253/1254/1255/1256/1257/1258/1259/1260/1261/1262/1263/1264/1265/1266/1267/1268/1269/1270/1271/1272/1273/1274/1275/1276/1277/1278/1279/1280/1281/1282/1283/1284/1285/1286/1287/1288/1289/1290/1291/1292/1293/1294/1295/1296/1297/1298/1299/1300/1301/1302/1303/1304/1305/1306/1307/1308/1309/1310/1311/1312/1313/1314/1315/1316/1317/1318/1319/1320/1321/1322/1323/1324/1325/1326/1327/1328/1329/1330/1331/1332/1333/1334/1335/1336/1337/1338/1339/1340/1341/1342/1343/1344/1345/1346/1347/1348/1349/1350/1351/1352/1353/1354/1355/1356/1357/1358/1359/1360/1361/1362/1363/1364/1365/1366/1367/1368/1369/1370/1371/1372/1373/1374/1375/1376/1377/1378/1379/1380/1381/1382/1383/1384/1385/1386/1387/1388/1389/1390/1391/1392/1393/1394/1395/1396/1397/1398/1399/1400/1401/1402/1403/1404/1405/1406/1407/1408/1409/1410/1411/1412/1413/1414/1415/1416/1417/1418/1419/1420/1421/1422/1423/1424/1425/1426/1427/1428/1429/1430/1431/1432/1433/1434/1435/1436/1437/1438/1439/1440/1441/1442/1443/1444/1445/1446/1447/1448/1449/1450/1451/1452/1453/1454/1455/1456/1457/1458/1459/1460/1461/1462/1463/1464/1465/1466/1467/1468/1469/1470/1471/1472/1473/1474/1475/1476/1477/1478/1479/1480/1481/1482/1483/1484/1485/1486/1487/1488/1489/1490/1491/1492/1493/1494/1495/1496/1497/1498/1499/1500/1501/1502/1503/1504/1505/1506/1507/1508/1509/1510/1511/1512/1513/1514/1515/1516/1517/1518/1519/1520/1521/1522/1523/1524/1525/1526/1527/1528/1529/1530/1531/1532/1533/1534/1535/1536/1537/1538/1539/1540/1541/1542/1543/1544/1545/1546/1547/1548/1549/1550/1551/1552/1553/1554/1555/1556/1557/1558/1559/1560/1561/1562/1563/1564/1565/1566/1567/1568/1569/1570/1571/1572/1573/1574/1575/1576/1577/1578/1579/1580/1581/1582/1583/1584/1585/1586/1587/1588/1589/1590/1591/1592/1593/1594/1595/1596/1597/1598/1599/1600/1601/1602/1603/1604/1605/1606/1607/1608/1609/1610/1611/1612/1613/1614/1615/1616/1617/1618/1619/1620/1621/1622/1623/1624/1625/1626/1627/1628/1629/1630/1631/1632/1633/1634/1635/1636/1637/1638/1639/1640/1641/1642/1643/1644/1645/1646/1647/1648/1649/1650/1651/1652/1653/1654/1655/1656/1657/1658/1659/1660/1661/1662/1663/1664/1665/1666/1667/1668/1669/1670/1671/1672/1673/1674/1675/1676/1677/1678/1679/1680/1681/1682/1683/1684/1685/1686/1687/1688/1689/1690/1691/1692/1693/1694/1695/1696/1697/1698/1699/1700/1701/1702/1703/1704/1705/1706/1707/1708/1709/1710/1711/1712/1713/1714/1715/1716/1717/1718/1719/1720/1721/1722/1723/1724/1725/1726/1727/1728/1729/1730/1731/1732/1733/1734/1735/1736/1737/1738/1739/1740/1741/1742/1743/1744/1745/1746/1747/1748/1749/1750/1751/1752/1753/1754/1755/1756/1757/1758/1759/1760/1761/1762/1763/1764/1765/1766/1767/1768/1769/1770/1771/1772/1773/1774/1775/1776/1777/1778/1779/1780/1781/1782/1783/1784/1785/1786/1787/1788/1789/1790/1791/1792/1793/1794/1795/1796/1797/1798/1799/1800/1801/1802/1803/1804/1805/1806/1807/1808/1809/1810/1811/1812/1813/1814/1815/1816/1817/1818/1819/1820/1821/1822/1823/1824/1825/1826/1827/1828/1829/1830/1831/1832/1833/1834/1835/1836/1837/1838/1839/1840/1841/1842/1843/1844/1845/1846/1847/1848/1849/1850/1851/1852/1853/1854/1855/1856/1857/1858/1859/1860/1861/1862/1863/1864/1865/1866/1867/1868/1869/1870/1871/1872/1873/1874/1875/1876/1877/1878/1879/1880/1881/1882/1883/1884/1885/1886/1887/1888/1889/1890/1891/1892/1893/1894/1895/1896/1897/1898/1899/1900/1901/1902/1903/1904/1905/1906/1907/1908/1909/1910/1911/1912/1913/1914/1915/1916/1917/1918/1919/1920/1921/1922/1923/1924/1925/1926/1927/1928/1929/1930/1931/1932/1933/1934/1935/1936/1937/1938/1939/1940/1941/1942/1943/1944/1945/1946/1947/1948/1949/1950/1951/1952/1953/1954/1955/1956/1957/1958/1959/1960/1961/1962/1963/1964/1965/1966/1967/1968/1969/1970/1971/1972/1973/1974/1975/1976/1977/1978/1979/1980/1981/1982/1983/1984/1985/1986/1987/1988/1989/1990/1991/1992/1993/1994/1995/1996/1997/1998/1999/2000/2001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