

# Alert™ Product Comparison

**Alert** describes a family of software products that include: ExpertALERT™, AdvancedALERT™, StandardALERT™ and ViewALERT™. The features below apply to all of these software packages unless expressly noted.

**ExpertALERT™** is the flagship software product owned by 95% of DLI's clients. ExpertALERT includes an automated diagnostic system that has been proven in over 15 years of commercial use to help analysts screen and analyze large amounts of data in the most efficient way possible. ExpertALERT utilizes over 4,000 "rules" to diagnose most common machine faults and provide repair recommendations with severity levels. BearingALERT technology allows diagnosis of rolling element bearing wear without the need for bearing model numbers. ExpertALERT is utilized on a daily basis by DLI engineers to help them manage the largest condition monitoring programs in the world.

**AdvancedALERT®** contains all the database management and analysis tools as StandardALERT however it also includes BearingALERT technology for automated bearing wear detection. This software is appropriate for those mainly interested in bearing wear or those who can justify the additional time required to perform manual analysis on non bearing related problems.

**StandardALERT™** offers all of the database management, graphical analysis tools and report capabilities needed to implement an effective condition monitoring program. This member of the Alert family automatically screens each test location for up to 63 alarm bands and presents the results as an exception / alarm report or as a chart containing the values for each frequency band. A machine may contain up to 99 test locations. This software is appropriate for those with a limited budget or who don't have applications that lend themselves to automated fault diagnostics such as structural analysis.

**ViewALERT™** is a "view only" or "read only" version of ExpertALERT. Users have access to all reports and analysis tools but they cannot add, edit, delete or modify any information in the database. They can however load and unload data collectors. ViewALERT is appropriate for vibration service clients or for users who are not actively involved in the program but want access to all of the data and information.

**Enterprise Network License:** If multiple users would like to access the same database at the same time using any of the above software products, an Enterprise network license is required.

**Database Replication:** Allows two or more databases to synchronize with each other over a network or the Internet. This powerful technology allows two or more users to work independently in their systems and then synchronize them. Changes made in one database appear in the other and visa versa. It is an extremely valuable tool for sharing information and providing remote analysis services. Database replication is compatible with all of the Alert family of software products as well as the Sprite online monitoring system.

**Web Connect™:** Is a service which allows users to view data, reports and historical information via a common Web browser. Web Connect users gain access to important machine information without having to purchase or learn additional software. Web Connect utilizes encryption technology and DLI provides secure database backup services.

| <b>ALERT* Family Product Comparison</b>                   |   | <b>ExpertALERT</b> | <b>AdvancedALERT</b> | <b>StandardALERT</b> | <b>ViewALERT</b> |
|---|---|--------------------|----------------------|----------------------|------------------|
| <b>Database Management</b>                                |   |                    |                      |                      |                  |
|   | Setup machine ID and configuration files  | •                  | •                    | •                    |                  |
|   | Setup machine forcing frequencies   | •                  | •                    | •                    |                  |
|   | Establish Standard Test Conditions  | •                  | •                    | •                    |                  |
|   | Designate optimal and standard measurement locations                                | •                  | •                    | •                    |                  |
|   | Specify measurement parameters, calculations and criteria                           | •                  | •                    | •                    |                  |
|   | Database, machine and machine component wizards                                     | •                  | •                    | •                    |                  |
|   | Configure data collection routes  | •                  | •                    | •                    |                  |
| <b>Operations</b>   |   |                    |                      |                      |                  |
|   | Online monitoring system management   | •                  |                      |                      |                  |
|   | Develop and apply statistical baseline criteria                                     | •                  | •                    | •                    |                  |
|   | Support and communication with portable data collectors                             | •                  | •                    | •                    | •                |
|   | Process and display vibration data  | •                  | •                    | •                    | •                |
|   | Vibration analysis graphical tools  | •                  | •                    | •                    | •                |
|   | Integrate non-vibration CM technology assessments & links                           | •                  | •                    | •                    | •                |
| <b>Data Presentations</b>                                 |   |                    |                      |                      |                  |
|   | Narrowband: Spectrum, Full Spectrum, Demodulated Vibration, Cepstrum, Time waveform | •                  | •                    | •                    | •                |
|   | Filtered Orbits   | •                  | •                    | •                    | •                |
|   | Overall Vibration   | •                  | •                    | •                    | •                |
|   | Phase, Bode   | •                  | •                    | •                    | •                |
|   | Process Points, Calculated Process Points   | •                  | •                    | •                    | •                |
| <b>Automated Condition Assessments and Data Screening</b> |   |                    |                      |                      |                  |
|   | Expert automated diagnostic system  | •                  |                      |                      |                  |
|   | Rank and Report Machine Faults and Severities                                       | •                  |                      |                      |                  |
|   | Provide repair recommendations and repair priority                                  | •                  |                      |                      |                  |
|   | BearingALERT™ Automated Bearing Diagnostics   | •                  | •                    |                      |                  |
|   | Perform spectral feature extraction and tabulation                                  | •                  | •                    | •                    |                  |
| <b>Performance</b>  |   |                    |                      |                      |                  |
|   | Automated Diagnosis of process data with vibration spectra                          | •                  |                      |                      |                  |
|   | Operating log data collection   | •                  | •                    | •                    | •                |
|   | Performance and Efficiencies through automated calculations                         | •                  | •                    | •                    | •                |
|   | Trending of operating logs  | •                  | •                    | •                    | •                |
|   | Multi-level alarms  | •                  | •                    | •                    | •                |
|   | Overlay multiple process point trend plots  | •                  | •                    | •                    | •                |
| <b>Reporting</b>  |   |                    |                      |                      |                  |
|   | Professional report editor  | •                  |                      |                      |                  |
|   | Trend specific faults and severities  | •                  |                      |                      | •                |
|   | Trend bearing faults and severities   | •                  | •                    |                      | •                |
|   | User defined custom reports   | •                  | •                    | •                    |                  |
|   | Link Repair Recommendations to Work Management Programs (CMMS)                      | •                  | •                    | •                    |                  |
|   | Print reports   | •                  | •                    | •                    | •                |
|   | Update and Synchronization of data and results via Replication                      | •                  | •                    | •                    | •                |
|   | Track Work Status and Repair History  | •                  | •                    | •                    | •                |
| <b>Users</b>  |   |                    |                      |                      |                  |
|   | Users monitor specific machines via In-tray   | •                  |                      |                      |                  |
|   | Manage users and privileges   | •                  | •                    | •                    |                  |
|   | Enterprise Multi-user Upgrade   | •                  | •                    | •                    | •                |



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