MODSEW®
Standard Data System

Byte Software Services

Byte's Standard Data Engineering product is MODSEW®. MODSEW is a methods-oriented standard data system that produces consistent, reliable pre-production and production standards for sewing facilities. MODSEW, based on the predetermined time system, MODAPTS®, is easy to learn and use. MODSEW enables method analysts to classify and describe each motion required to sew a given operation.

Say goodbye to the days of time study and the inaccuracy of operator performance ratings. Set fair, objective and consistent rates using pre-defined data. MODSEW helps improve working relationships by clearly defining all job assignments and expectations.

Benefits

- ***Easy to learn:*** Can be mastered in one week vs. months for systems that require hundreds of time values. Unlike MTM, the time value is a part of the MODAPTS code, i.e., M4 = 4 MODS.
- ***Accurate and consistent:*** ±5% at the 95% confidence level of the true mean. Brings consistency to rates determined by different engineers and in different plants.
- ***Improves plant balancing:*** Figure accurate loading for all departments and fair loading for every employee.
- ***Determines rates fast:*** Much faster than conventional time studies. Easily edited in minutes, and the universal update compresses days of work into a few minutes.
- ***Improves engineering productivity:*** Frees key people to work on productivity problems, instead of earnings problems.
- ***Fair rates:*** Accounts for every method or motion designed into the operation and no more.
- ***Emphasizes improved productivity:*** Spots deviations quickly through lost efficiency reports, enabling corrections to be made.
- ***Builds stronger working relationships:*** Clearly defines all job assignments and expectations. Pay and performance are based on objective measures.

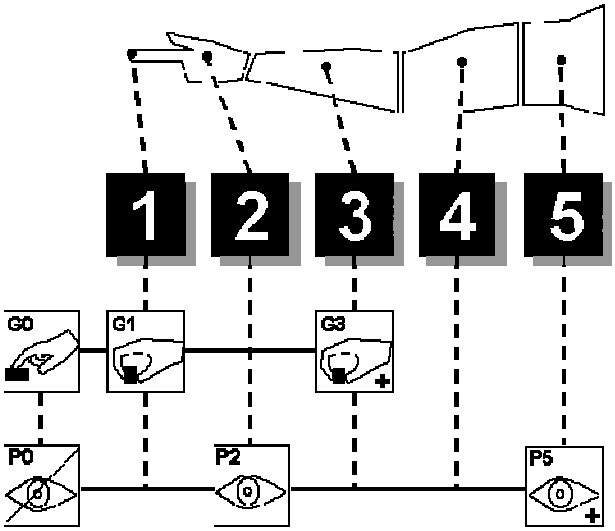
MODAPTS® is the System of Choice

MODSEW is a computerized adaptation of MODAPTS, or Modular Arrangement of Predetermined Time Standards. Developed in the 1960s, MODAPTS has been used to determine a "fair day's work" for clerical workers, warehouse personnel, manufacturing and other business segments.

MODAPTS has been used around the world including Germany, Japan, England, Korea, Russia, New Zealand and 40 other countries. It has been used effectively by major companies such as Johnson & Johnson, Fisher-Price, Ford Motor Company, H.I.S. and Oshkosh B'Gosh. Effective use by supervisors themselves in planning their operations confirms its simplicity.

Price Waterhouse affirmed MODAPTS accuracy in comparison with other predetermined time systems and stopwatch time studies. This firm's extended study also found that MODAPTS could produce up to 20 standards per day, and that average supervisors and employees could understand and apply the system.

MODAPTS at a glance



Numbers appended to each element represent degree of the action.
Motions are normally described by pairs of elements, e.g. M4G3, M4P2

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FEATURES CHECKLIST

Feature	MODSEW
Includes 21 MODAPTS data elements (**M**ove, **G**et, **P**ut,…)	✓
Includes 50 pre-defined MODSEW Modules (GOO, GTO, DSO,…)	✓
Unlimited user-defined Modules available	✓
Accommodates sketches of operation and workplace layout by operation code	✓
On-screen video playback while keying method analysis	✓
Thread consumption calculation by operation and by style	✓
Ability to fill-in data required by PAC, Byte's piecework system	✓
Ability to add machine cycle time, or other cycle time to method	✓
Special "Sew" formula to calculate time per sew burst	✓
One Time Module (OTM) capability for special situations that don't repeat	✓
Rate/style update routine makes mass updates easy	✓
Printed Documents	
Operation Detail Report with operation sketch and workplace layout	✓
Operation Summary Report	✓
Operation Where-used Report	✓
Style Bulletin	✓
Thread Consumption Report by Operation	✓
Thread Consumption Report by Style	✓