SPACE COMMAND IN CMMD

SPACE P1 P2 P3 P4

    Context of each param is datum.

    Trailing params may be ommitted.

    Order of params is: nominal   max mod Ae   max
        swapped ecs space   2000 ?   20000   140000
        fixed ecs space   2000
        mot slots
        temp disk space

                                currently
    Only first 2 space types enforced.

    For each param, form right to left, following is done:
        if = -1, all space above nominal for this type is released.
        if = 0,   ignored.
        if gtr 0, a) if space above nominal for that type or higher
                       types has been obtained, error. (Order of types,
                       from higher to lower is as in the command, swapped
                       ecs is highest and temp disk space is lowest.)
                   b) if param is greater than max permitted for this
                       type, error.
                   c) if param is greater than max moderate request for this
                       type, wait in line. Only one process may hold space
                       over the max moderate size ar at one time. (for
                       any one given type)
                   d) if param is less or equal to nominal, no further action.
                   e) otherwise, wait in line to collect space to bring
                       amount held by this process of that type up to
                       size of parameter.

NOTE: on return from a subprocess call, or on a PURGE, all all space above
        nominal for swapped ecs, fixed ecs, and mot slots is released,

        (PURGE is automatic on return from a subprocess call)