

OSL-H named HSL (Human Specification Language) is a semiformal notation for a human being for anyone interested in ontology and existential psychology. The topic "human being" is not a simple one. Several psychologists and writers have stated that the several major theories on personality are colored by subjective factors and motivations affecting each theorist as an individual. Some examples of the diversity of theories are "Functional autonomy" (Allport), "Basic concepts for a psychology of personality" (Murray' H.A), "Trait theory", "16 Personality Factors", "9 Enneagram types" and "Myers-Briggs Type Indicator". Further development of HSL could be achieved with collaboration of psychologists and medical professionals.

One possible usage of HSL language is creation of a human resources database in a corporation or even on an international scale for locating individuals which meet certain psychological, intellectual and professional requirements.

Similarly to other subsets of OSL this one contains only additional phrases and keywords that do not exist in kernel of the base language.

1. OSL NOTATION

<!...>	comment
< >	container
=>	link to something external (outside area)
<def></def>	start-end of language/subset definition
<spec></spec>	start-end of a given object specification
<i>iiiiiiii</i>	keywords: <i>by,from,to,when</i>
::=	type assignment
:=	list items
=	value assignment
:	name assignment
@	mark of attribute,feature,property
::	belongs to
(x,y,..)	list
[name]	executive/operational object
xxxxXxxx	special or complex names
XXXX	basic object
UUUU.XXXX	qualified name of object
XXXXXXXX	some complex or important keywords
KKKKKK	OSL keywords ((capital letter)
XXXXXXXX	operational keywords: event,action
<XXXXXXXX>	tags: id,def,spec
& /	conjunctions: and or

Writing of specification should be supported by a specialized editor, that automatically (based on the OSL notation) converts words into bold, inverted font and capital/small letters. Otherwise all the text (excluding object names) may be written in lower case. Another useful facility would be virtual keyboard with such keys as <def><spec> ::= := :: etc.

Generally, OSL needs a software engineering support like IDE, SDK, graphic tools, object standards (like DCOM, Corba etc.) and database technology.

2. OSL KERNEL DEFINITIONS

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<def OSL>
<def ENVIRONMENT: ENV >
ENV:=(REGULATIONS, INFRASTRUCTURE)
ENV.INFRASTRUCTURE:INFR
ENV.REGULATIONS:=(LegalActs, Resolutions,
                    Decisions)

INFR:=(IT,ORG,HR)
INFR.IT:= (Servers,OperSystems,Applications,
           TransDataBases,Users, prLanguages)
INFR.ORG:=(OrgStructureOfCompany)
INFR.HR:=(HumanResources)
</def>
<def globalMapping><!made automatically by
OSLpackage>
defLang:=(BSL,HSL,SSL)<! defined subsets of OSL>)
defList:=(<list of defined objects>)
specList:=(<list of specifications>)
</def>

<def subject:<NAME><!main object name>
<def <name><!other object name>
object.id<!object identifier>
class<!class tree>
object.type:=(eobject<!elementary atomic object >,
             dobject<!dynamic object >,
             iobject<!informational object >,
             vobject<!virtual object >,
             sobject<!smartobject>),
             oobject<!open object>)
@subject:=(noiseReduction,selfTeach,selfRepair,selfKill,
           selfRestore,selfRestart)
@oobject:=(input(parameters,data),output(info,messages)
           ,
           structure(addComponent,addRelations))
dynamics::=(event,operation/transaction,action,process)
dynamics::=(ev,op/tr,ac,pr)<!short notation>
dynamics.scenario:=(scevt,scop,scac,scpr)
event:ev<!elementary atomic fact >
trans<!transaction in terms of operating system monitor>
ftrans<!financial transaction>
operation:op
action:ac<!sequence of operations or events,long
transaction>
process:pr<!sequence of actions and events>
reverseMode::=(rev,rac,rop,rtr)<!back to the previous
state>
pr::=(trigger,action(<events>),endEvent)
scenario:sc<!predicted sequence of actions and events>
scenario.rank:=(best,worst)
object.Info<!information visible at the moment of
access>
keywords:kwords<!additional keywords in def>
olh<!object life history>:=(timeline,events,aging-curve)
object.role:=(interface,
             trigger,generator,agent,integrator,
             component,monitor,commander,
             executor/performer,initiator,terminator,
             destructor,participator,owner, stockholder,
             customer,supplier;partner,employee)
relations::=(activatedby,activates, assisted by,
             appearance depends on , belongs to
             /is owned by , built from ,
             calls <obiek> (<interface>),
             consists of <parts>,contained in/contains,
             controlled by/controls,derived from,

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existence depends on,exists when/in/for,
 included in,linked to ...by/links,
 refers to, relates to, related by affinity,
 represented by/represents,involved in,
 shared by/shares, used by/uses)

state:=*(active,inactive,dormant,suspended,aborted,
 idle/waiting,lost,expected,deleted,homeless)*

status:=*(generic,real,virtual,undefined)*

role:=*(driver,trigger,reactor,agent,executor,generator)*

reactor::=*(acceptance, rejection,constructor)*

rank:=*(critical,necessary,most
 wanted,optional,worst,best)*

rule:=*(decision-table,logical-when-if,formula).*

{ control-flow

ac::=*(ev1,ev2,ev3, ..)*

pr::=*(ac1,ac2,ac3,...)*

s*(ev1,ev2,ev3, ..)*<!sequential flow of events>

p*(ev1,ev2,ev3, ..)*<!parallel flow of events>

pr::=*s(ac1,s(ev1,ev2,ev3),ac2(p(ev4,ev5,ev6),(ev7,ev8,..)*
)

<!example of mixed flow>

repetition:=*(iteration,single spiral,multiband spiral)*
 <!spiral pattern may be used as a pattern of learning -
 each scroll of spiral can be different>

activated *by* <..> *with* <initial-value> *at* <time-point>
when <condition>

finished *at* <> *with* <...> *when* <...> }

<def body>

{ body::=*(Contents,Script,Metadata)*
 contents<!e.g. document contents, program code >
 script<!operation script generated upon the
 pattern

of behaviour >

metadata<!body structure description > }

layout:=*(free-
 space,swarm/hive,network,hierachy,line,
 triangle,tunnel,curve)*

</def>

</def>

3. <def OSL-H:HSL>

<def subject:HUMAN>

class1::=*(animals,mammalia,primates,homidae)*

class2::=*(nation.ethnic-group.profession.person)*

kwds::=*(life-space,behaviour,scope)*

scope::=*(BIOPHYSICAL,GEOGR,CULTURAL,
 SOCIAL, LEGAL)*

<def ENV>

ENV::=*(WORLD,CONTINENT,COUNTRY,
 REGION,SITE)*

ENV.LEGAL::=*<!Legal acts, resolutions,
 decisions>*

ENV.CULTURAL::=*(tradition, history, education,
 religion, ideology, art, radio-
 tv)*

ENV.BIOPHYSICAL::=*(animals.homosapiens)*

ENV.GEOGR::=*(homeaddress,company,school)*

</def>

<def PERSON>

object.**Info**::=*(id,sex,birth-data)*

homeaddress::=*(country,site,street,house,flat)*

sex=*(male/female/x)*

family::=*(gentree,parent,child,son,daughter,*

grandSon,grandDaughter,granMa,granPa)

emotion::=*(love,hate,satisfaction,frustration,
 aggression,enjoyment,anger)*

psychComplex::=*(fear of insupport,regression,
 inferiority,persecution)*

habit,hobby,profession,

health::=*(measures, physical-examinations, illness-
 history),*

role::=*(advisor, spouse,
 manager,patron,partner,customer,
 supervisor,participant,
 owner,supplier),*

appearance depends on ,
 assisted by,belongs to,
 matched/matches<!e.g. marriage >
 relates to <family-members>
 used by,uses,not used,misused,abused

state::=*(active,inactive,dormant,suspended,
 aborted,idle,lost,dead,homeless,retired,
 married/divorced/single,ignored)*

place::=*(point, area,everywhere,nowhere>*

life-space::=*(psychological,social,educational,
 financial)*

behaviour<!flow of processes of the object >
behaviour.rational::=*(selfrealization,need,
 satisfaction)*

behaviour::=*(marriage,friendship,career,ilness,aging)*

genotype.fenotype,

ohl<!object-life-history:=*[birth,aging-curve,
 social_events,health_illness-events, educ-events,
 job-events, critical_events, death]*

cluster<!GlobalFactor- estimated on the base of several
 particular factors >

cluster::=*(self, profile/type, attitude,leadership, ability,
 extraversion,anxiety,independence, healthState,
 lifeStyle,creativePotential,happiness,
 BipolarPersonality)*

self::=*(self-identity,self-assesment,self-sentiment,self-
 esteem,self-regard,self-reliance,self-control,
 self-image,self-extension,self-structure)*

leadership::=*(assertive,creative,facilitative,independent,
 stable,permissive,leadershipStyle,
 leadershipPotential)*

ability::=*(toughMinded/openMinded,creative,fast/slow,
 toleratesDisorder/perfectionistic,
 grounded/abstracted, improving own learning,
 problem solving, IQ,)*

need::=*(biological(food,medical,emergency,rescue,
 coping),cultural,psychological(love,esteem,
 selfrealization),financial-security)*

BipolarPersonality::=*(Warmth,Reasoning,EmotionalStabil
 ity*

*Concillation,Dominance,Liveliness,Openness,
 Tension,Rule-Consciousness,SocialBoldness,
 Sensitivity,Vigilance,Abstractedness,
 Privatness,Apprehension,OpennessToChange,
 Self-Reliance,Perfectionism)*

Warmth=Reserved/Warm
Reasoning=Concrete/Abstract
EmotionalStability=emotional/stable
Concillation=concillatory/aggressive
Dominance =Deferential/Dominant
Liveliness =Serious/Lively
Openness=extraversive/introversive
Tension=Relaxed/Tense

Rule-Consciousness=Expedient/Rule-Conscious
SocialBoldness=Shy/Socially Bold
Sensitivity=Utilitarian/Sensitive
Vigilance=Trusting/Vigilant
Abstractedness=Grounded/Abstracted
Privateness=Forthright/Private
Apprehension=Self-Assured/Apprehensive
OpennessToChange=Traditional/Open to Change
Self-Reliance=Group-Oriented/Self-Reliant
Perfectionism=Tolerates Disorder/Perfectionistic

</def >

</def HSL>

<spec HUMAN(John Example)>

sex=male

family=(married, parent of 3, grandfather of 4)

state=(retired, active)

cluster.self=average

ability=(openMinded,creative,fast,abstracted)

need=psychological.self-actualization

temperament=(emotional,sensitive,
introversive,tense,reserved)

cluster.happiness=good+

IQ=> <http://www.iq-test.com/>

</spec>