

# Who needs Standards...

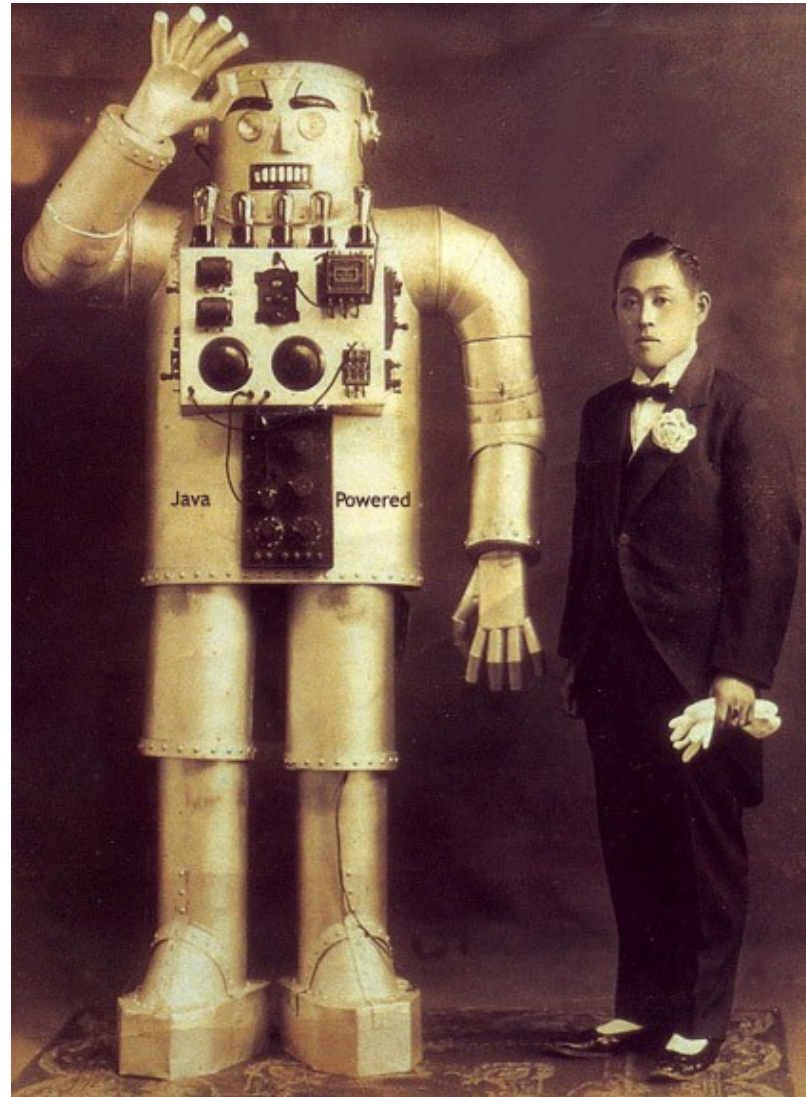


*Being an Illustrated Guide to Events of Significance in the Regulation of Social and Scientific Affairs from the Earliest Period to the Present Day, Showing their Effects in Human Progress, including a Proposal for Further Advancement under the Leadership of the Duke of Java.*

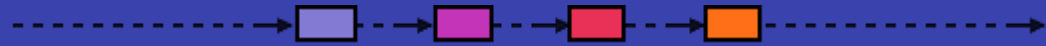
Patrick Curran: Chair, Java Community Process ([patrick@jcp.org](mailto:patrick@jcp.org))

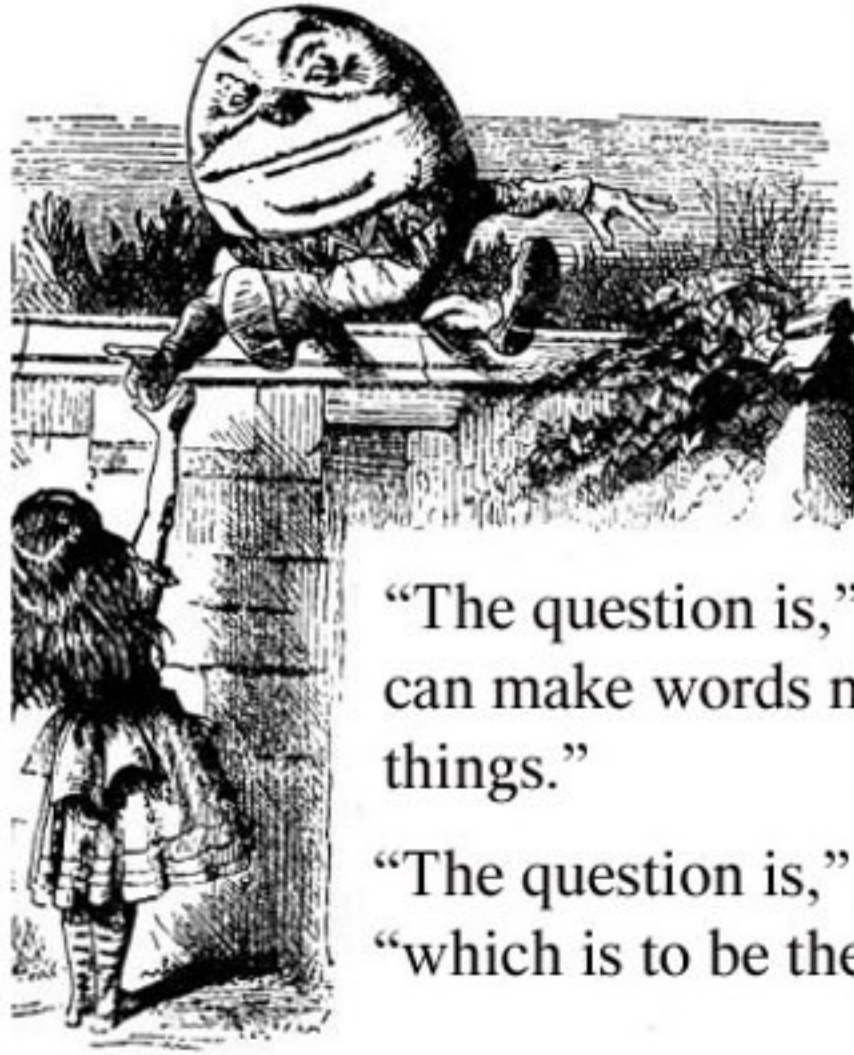
<http://jcp.org>

# In an Open-Source world?



<http://jcp.org>





“When I use a word”,  
Humpty Dumpty said  
in a rather scornful tone,  
“it means just what  
I choose it to mean -  
neither more nor less.”

“The question is,” said Alice, “whether you  
can make words mean so many different  
things.”

“The question is,” said Humpty Dumpty,  
“which is to be the master - that’s all.”



	EGYPTIAN.			Semitic Proto- types	GREEK.		LATIN.	
	Hiero- glyphic	Hieratic	Hebrew		Eastern	Western	Latin	Uncial
1				Α	ΑΑ	ΑΑ	A	a
2				Β	B	B	B	b
3				Γ	Γ	Γ<<C	<<C	c
4				Δ	Δ	ΔΔ	D	d
5				Ε	ΕΕ	ΕΕ	E	e
6				Ζ	Ζ	ΖΥ	F	f
7				Η	Η	Η	Z	h
8				Θ	Θ	Θ	H	h
9				Ι	Ι	Ι	I	i
10				Κ	Κ	Κ	K	k
11				Λ	Λ	Λ	L	l
12				Μ	Μ	Μ	M	m
13				Ν	Ν	Ν	N	n
14				Ξ	Ξ	Ξ	X	x
15				Ο	Ο	Ο	O	o
16				Π	Π	Π	P	p
17				Ρ	Ρ	Ρ	R	r
18				Σ	Σ	Σ	S	s
19				Τ	Τ	Τ	T	t
20				Υ	Υ	Υ	U	u
21				Φ	Φ	Φ	U	u
22				Χ	Χ	Χ	U	u

# Number systems



I II III IV V VI VII VIII IX X



**0 1 2 3 4 5 6 7 8 9 10**



# A Modest Proposal



“He’s the CEO of NextBigThing, Inc.

Their implementation of JSR 456 doesn’t pass the TCK.”



# Time...



<http://jcp.org>

# And space



# Navigation



<http://jcp.org>

# Maps



# Weights...



<http://jcp.org>



# Guilds



# Hallmarks





# Printing



# Food...



# And drugs





# And safety





# Commerce

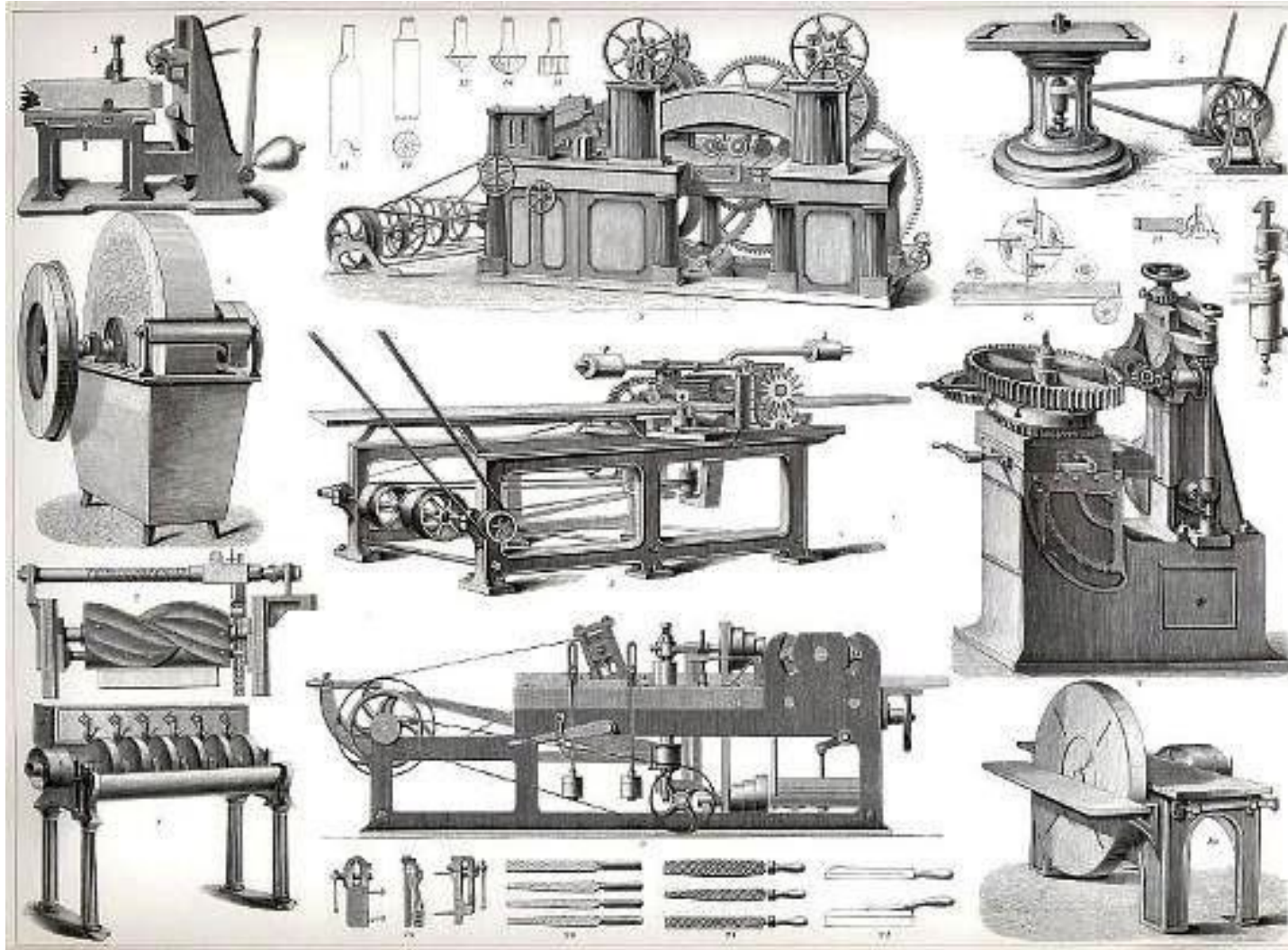


Date	Description	Amount	Date	Description	Amount
Jan 13	Self	50	Mar 26	Wade	110
Jan 14	Self	20	Mar 28	Wade	99
Jan 24	Self	50	Mar 31	Wade	49
Jan 30	Self	20	Apr 1	Wade	49
Feb 8	Wilmington	5 11	Apr 2	Wade	31
Feb 15	Self	40	Apr 20	Wade	49
Feb 21	Self	20	Apr 24	Wade	99
Mar 5	Wilmington	6 10 7 1/2	Apr 24	Wade	150
Mar 11	Wilmington	10		Wade	12 11
Mar 18	Wilmington	11 1/2		Wade	262 6
Mar 28	Self	30		Wade	192 199
Mar 31	Self	10		Wade	69 8 3/4
Apr 7	Self	50 1 8			
Apr 20	James	8 7 7 3			
Apr 23	Self	30			
Apr 25	Self	10			
Apr 30	Self	10			
May 14	Self	60			
May 27	Self	5			
May 31	Self	50			
Jun 1	Wilmington	7 11 6			
Jun 1	Wilmington	5 6			
Jun 2	Wilmington	6 6			

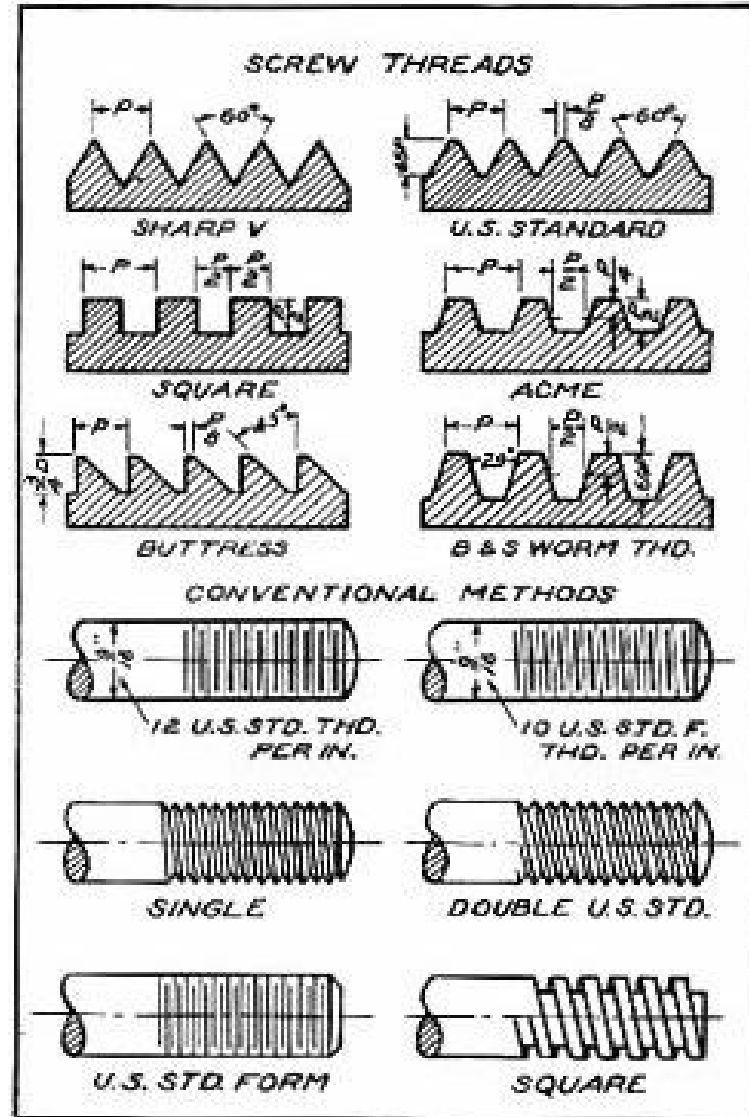




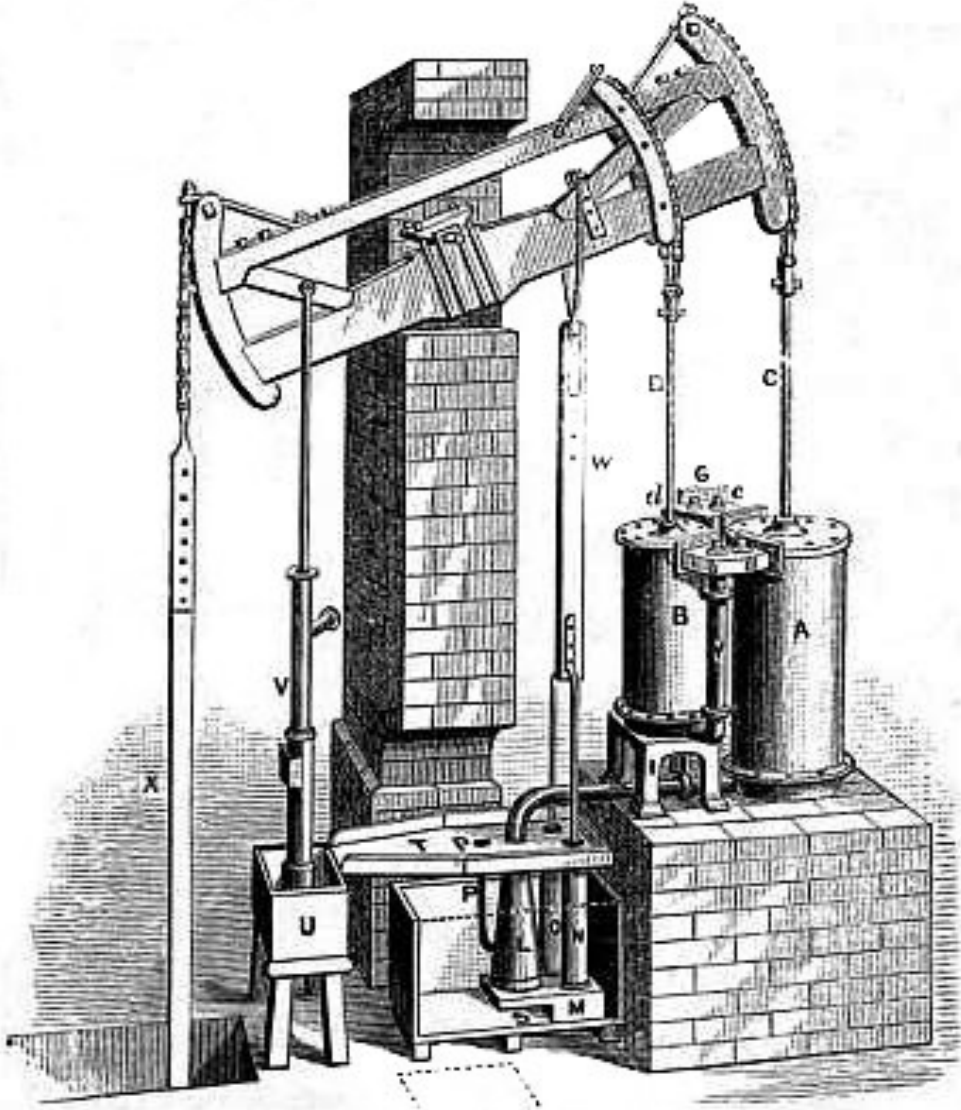
# Machine tools



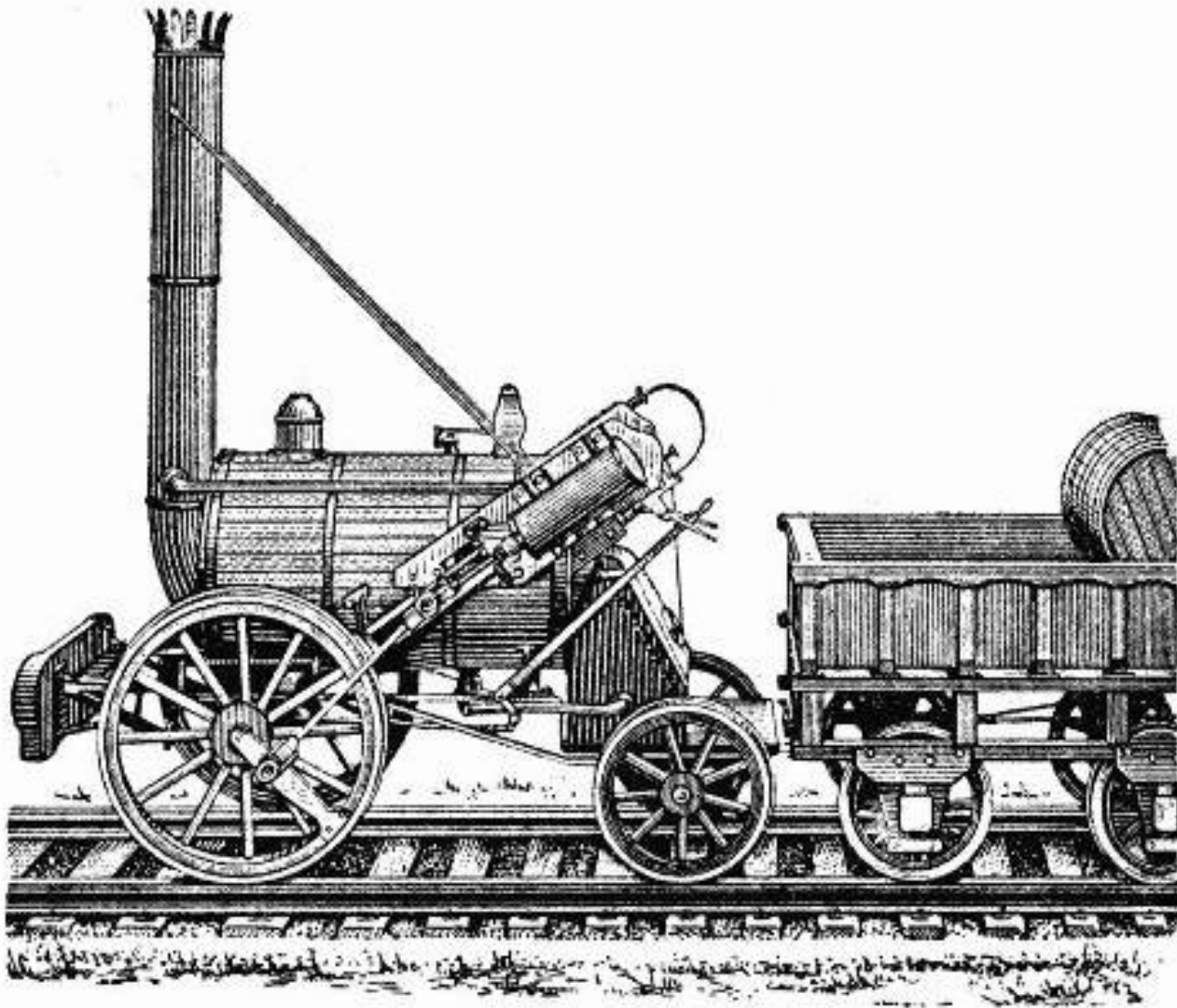
# Screws and threads



# Steam engines



# Railways





# Interchangeable parts



## GUN MAKING.

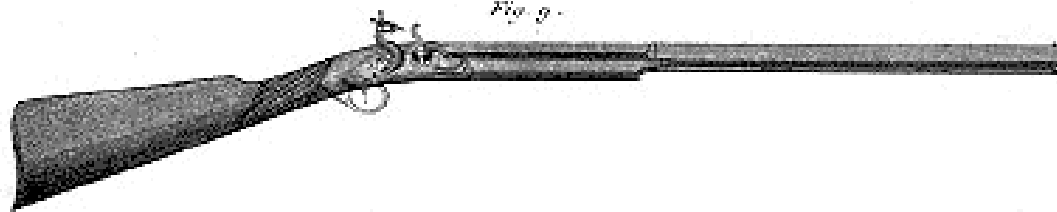
*Fig. 5.*



*Fig. 6.*



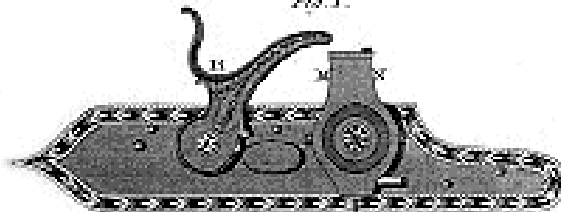
*Fig. 9.*



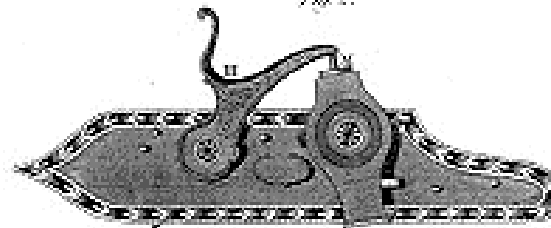
*Fig. 7.*



*Fig. 3.*



*Fig. 4.*



# Mass production



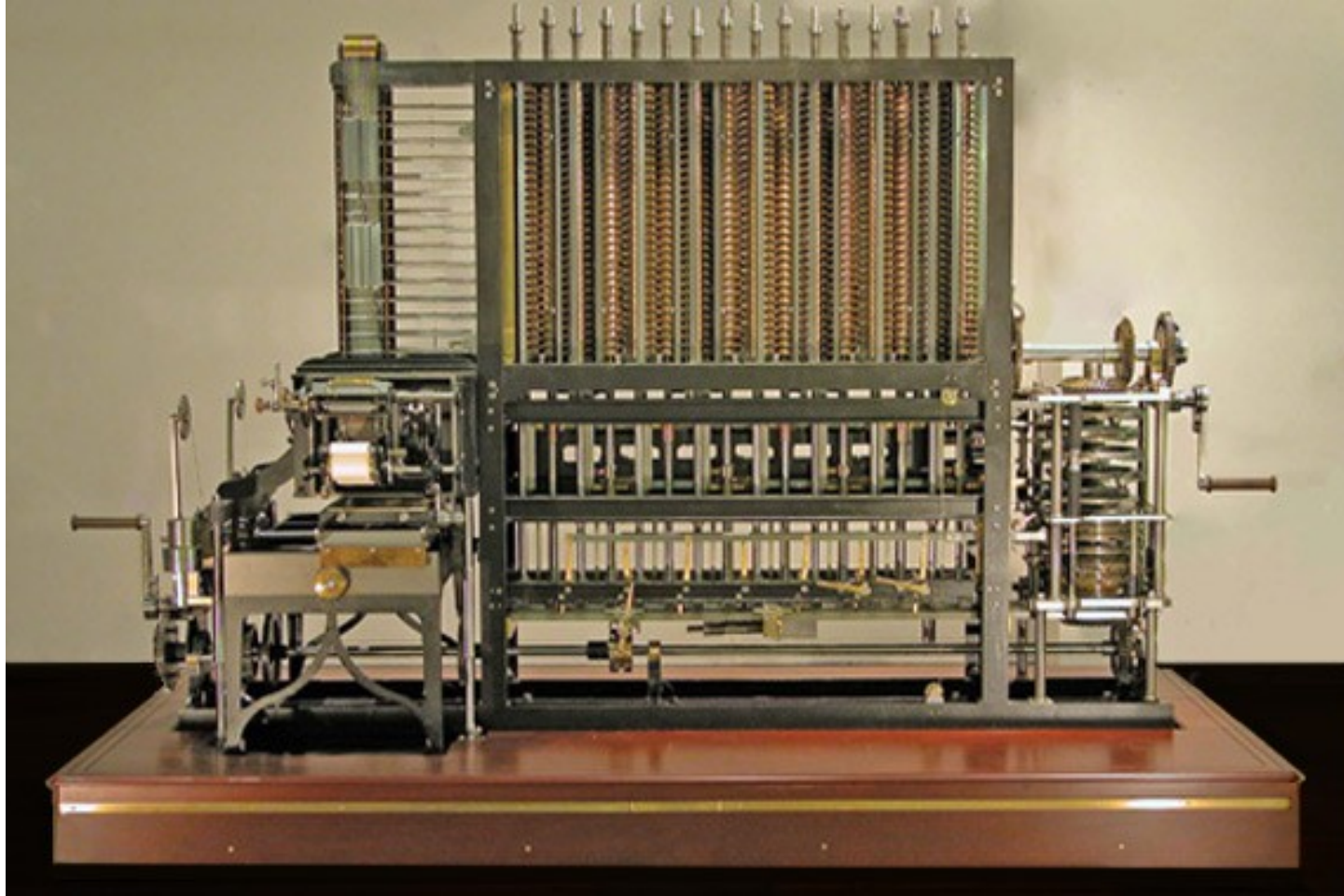
# Wartime



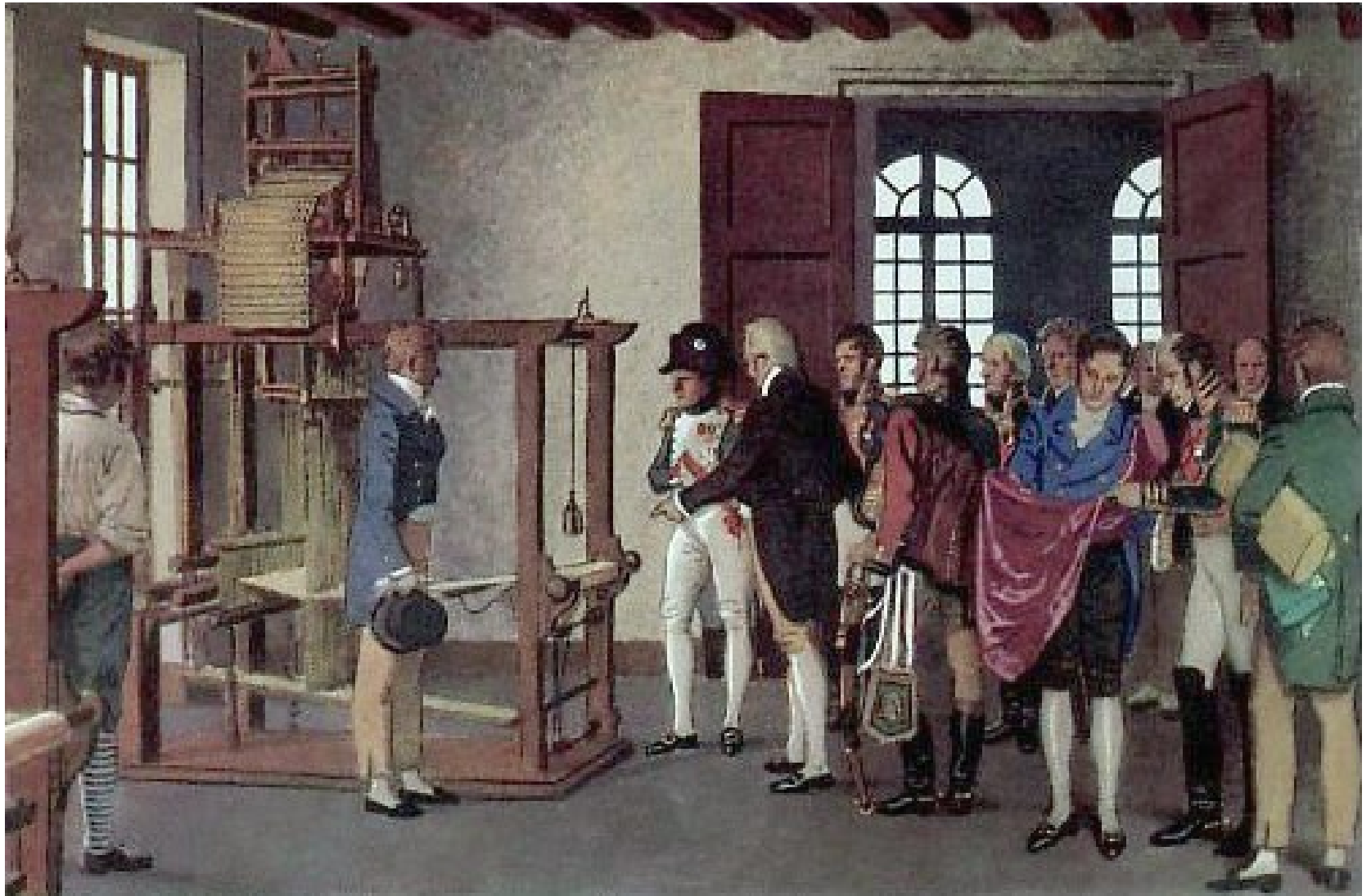




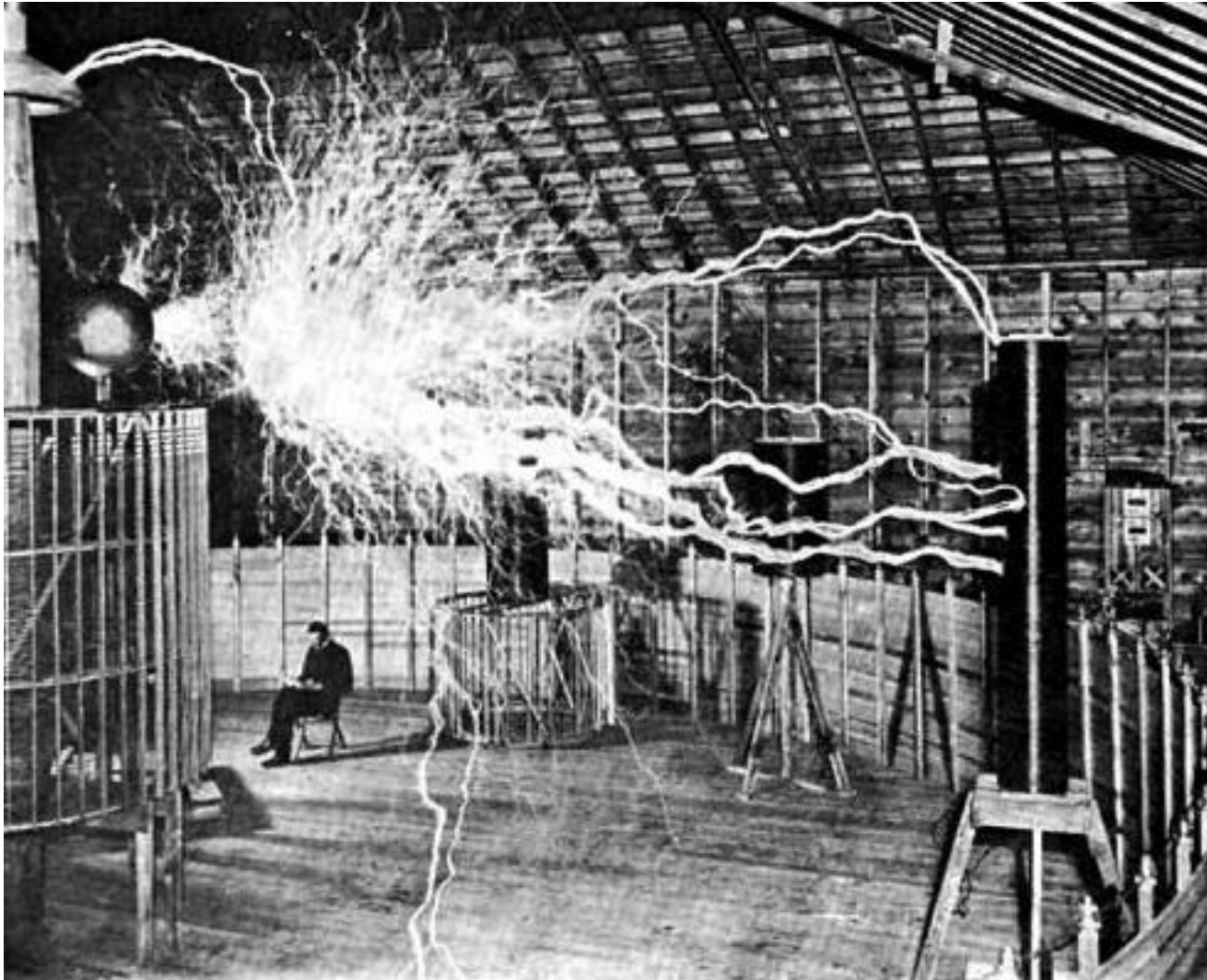
# Difference Engine



# Jacquard loom



# Electricity



# Telegraph



THE PHELPS ELECTRO-MOTOR PRINTING TELEGRAPH

# Telephone



# Cellphones



# Telecommunications







# Beer



# Clothing



# Traffic



# Shipping





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<http://jcp.org>



Richard Rogers and Lorenz Hart

The musical score consists of eight staves of music in 4/4 time. The chords are annotated above the notes. The first staff has a boxed 'A' above the first measure. The second staff has a boxed 'A' above the first measure. The third staff has a boxed 'A' above the first measure. The fourth staff has a boxed 'B' above the first measure. The fifth staff has a boxed 'A2' above the first measure. The sixth staff has a boxed 'A' above the first measure. The seventh staff has a boxed 'A' above the first measure. The eighth staff has a boxed 'A' above the first measure.

Chord annotations include: Cmaj7, Am7, Dm7, G7, Bm7(♯5), E7, Fm7, B♭7, E♭maj7, C6, and Fm6.

ISO 16:1975 Acoustics -- Standard tuning frequency  
(Standard musical pitch)

# Color



<http://jcp.org>

<http://www.color.org>



# Chocolate



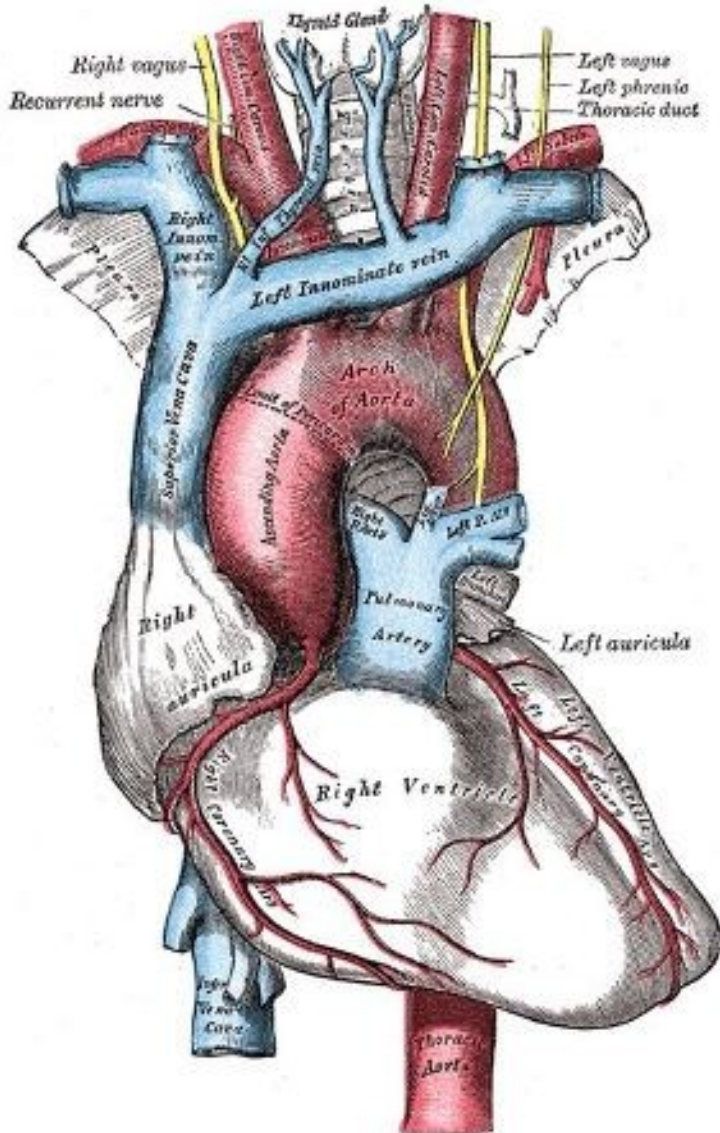
WHO/FAO: Codex Alimentarius Official Standard for Chocolate

<http://jcp.org>



<http://www.lords.org/laws-and-spirit/laws-of-cricket/laws/>

<http://jcp.org>



## Chronic rheumatic heart diseases

### I05: Rheumatic mitral valve diseases

#### Includes:

conditions classifiable to I05.0 and I05.2-I05.9, whether specified as rheumatic or not

#### Excludes:

when specified as nonrheumatic

#### I05.0: Mitral stenosis

Mitral (valve) obstruction (rheumatic)

#### I05.1: Rheumatic mitral insufficiency

Rheumatic mitral

- Incompetence
- Regurgitation

#### I05.2: Mitral stenosis with insufficiency

Mitral stenosis with incompetence or regurgitation

#### I05.8: Other mitral valve diseases

Mitral (valve) failure

#### I05.9: Mitral valve disease, unspecified

Mitral (valve) disorder (chronic) NOS

From the World Health Organization  
International Classification of Diseases



# Books







# Baltimore, 1904



<http://jcp.org>



# Mars orbiter, 1999

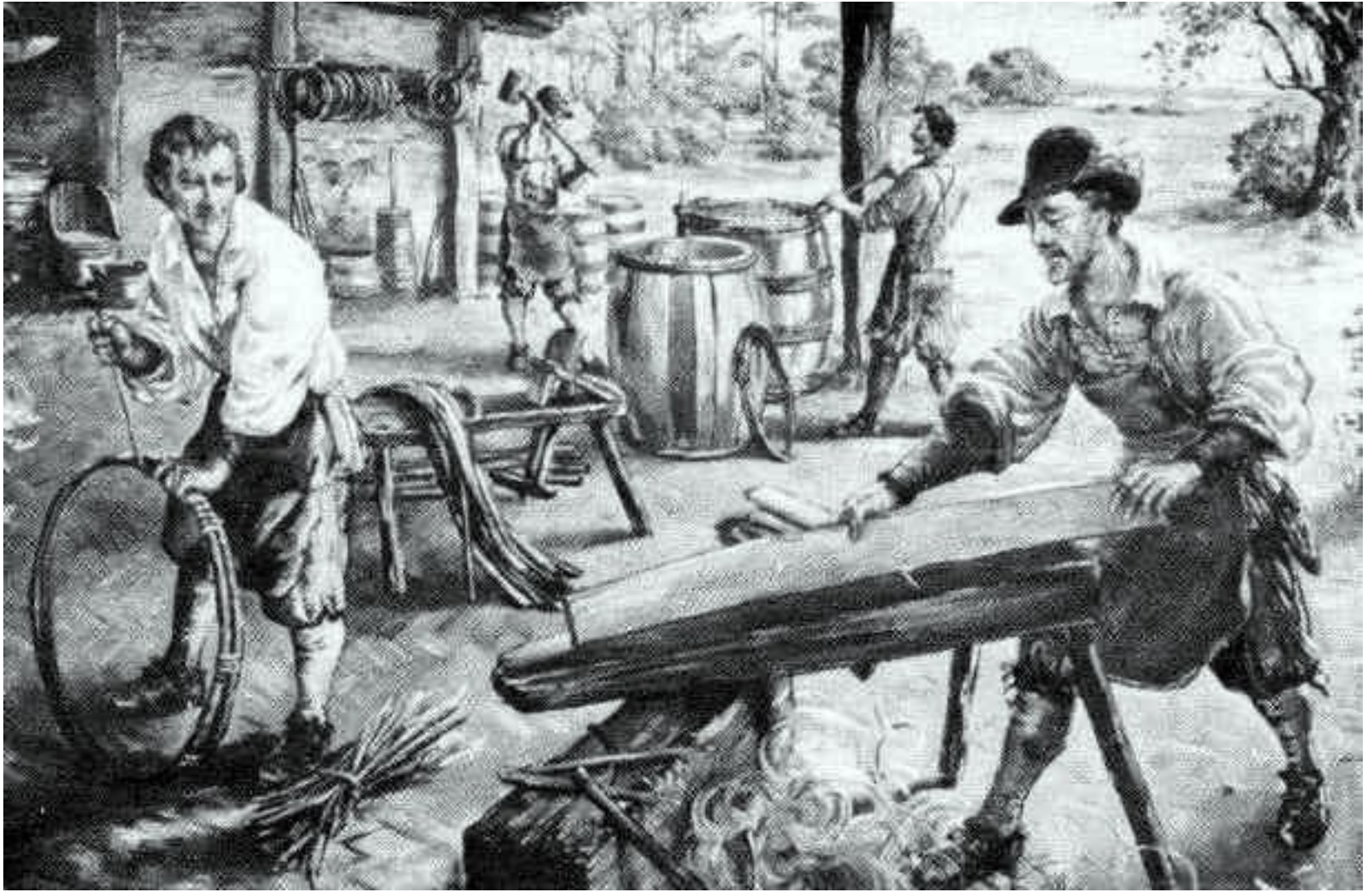




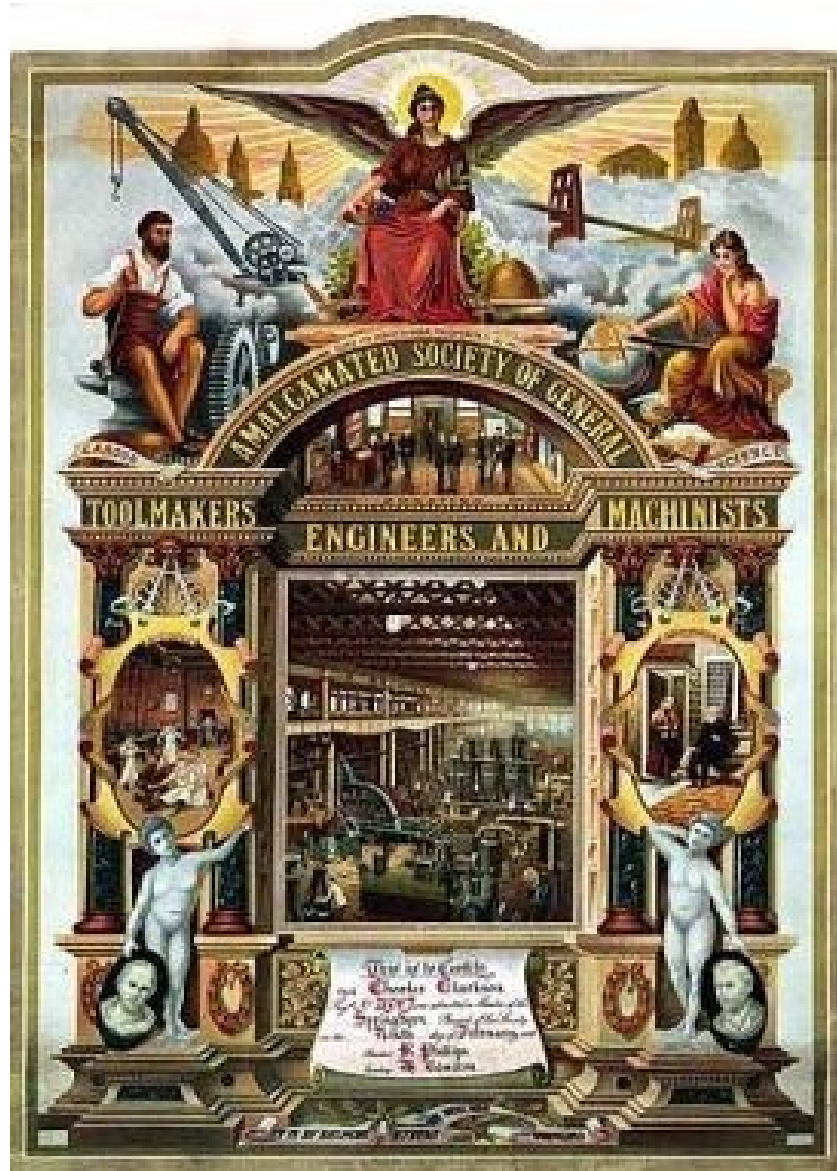
# The \$64,000 question...



# Are we Artisans...

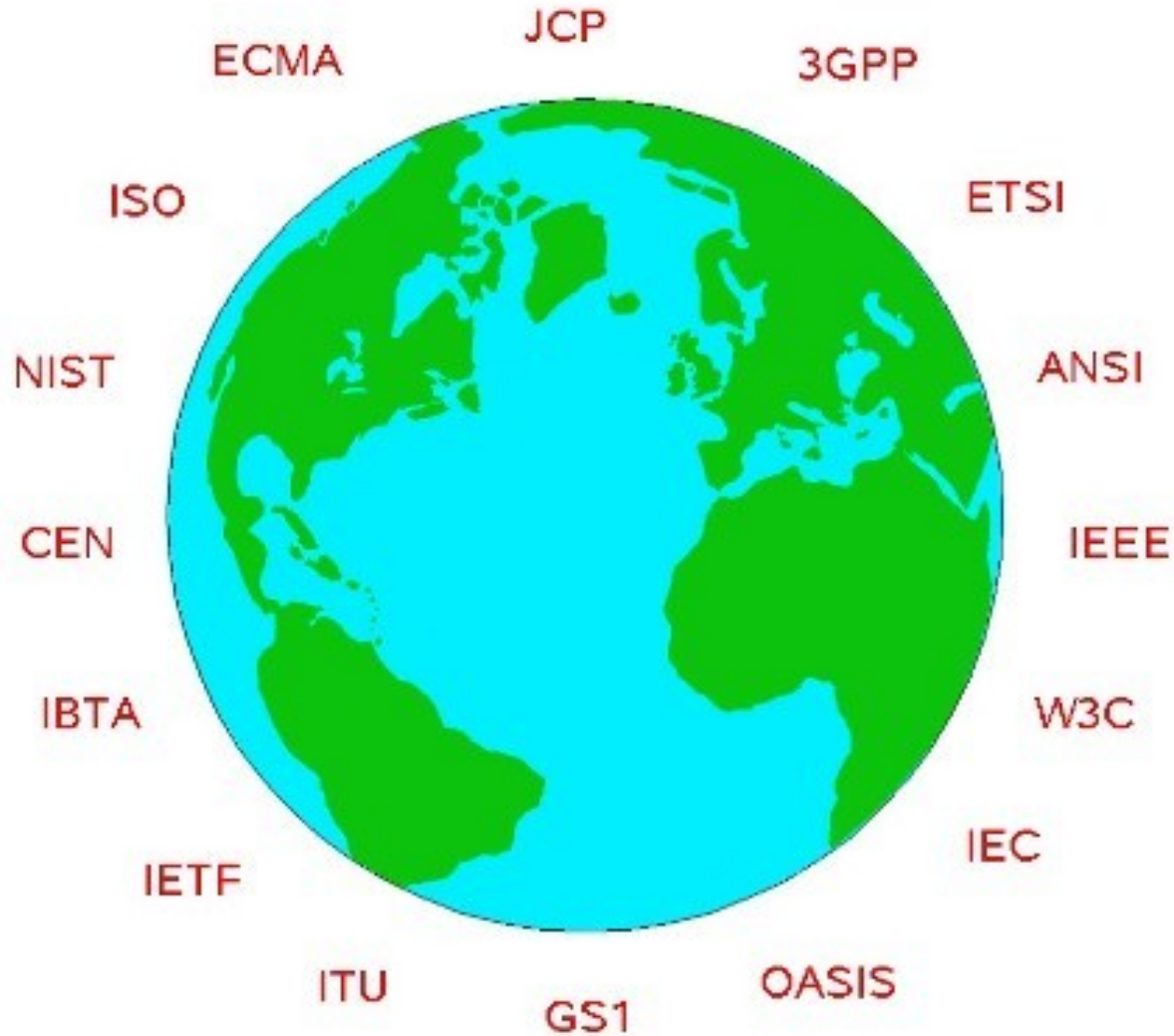


# Or engineers?

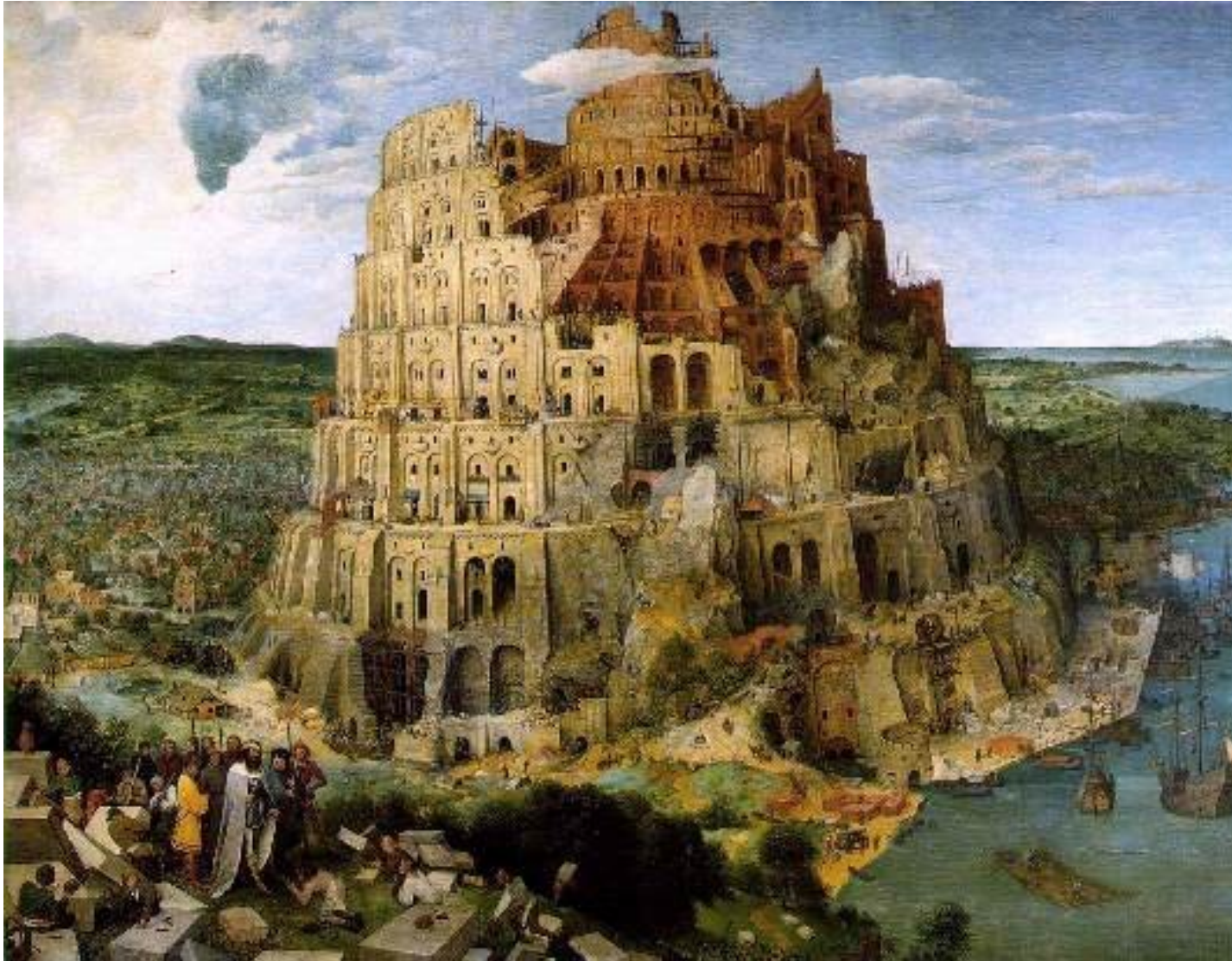




# Standards make the world go round

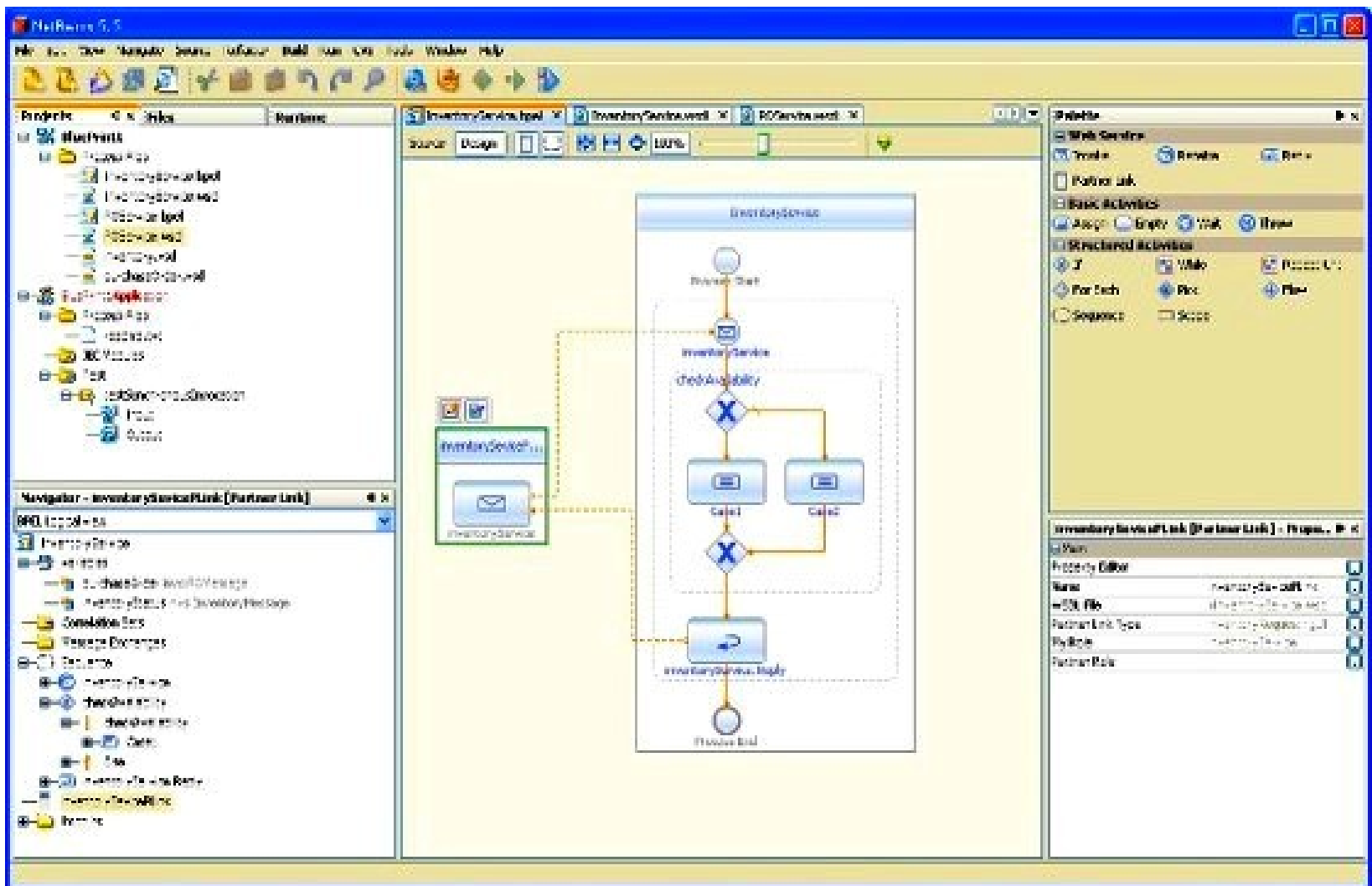


# Languages & protocols

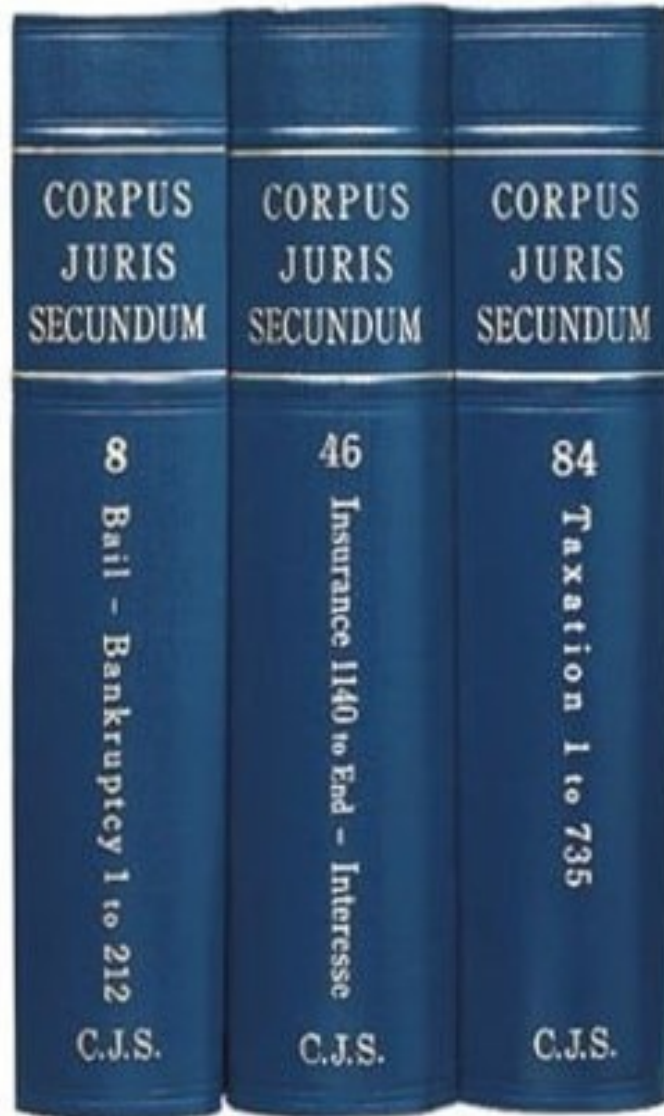




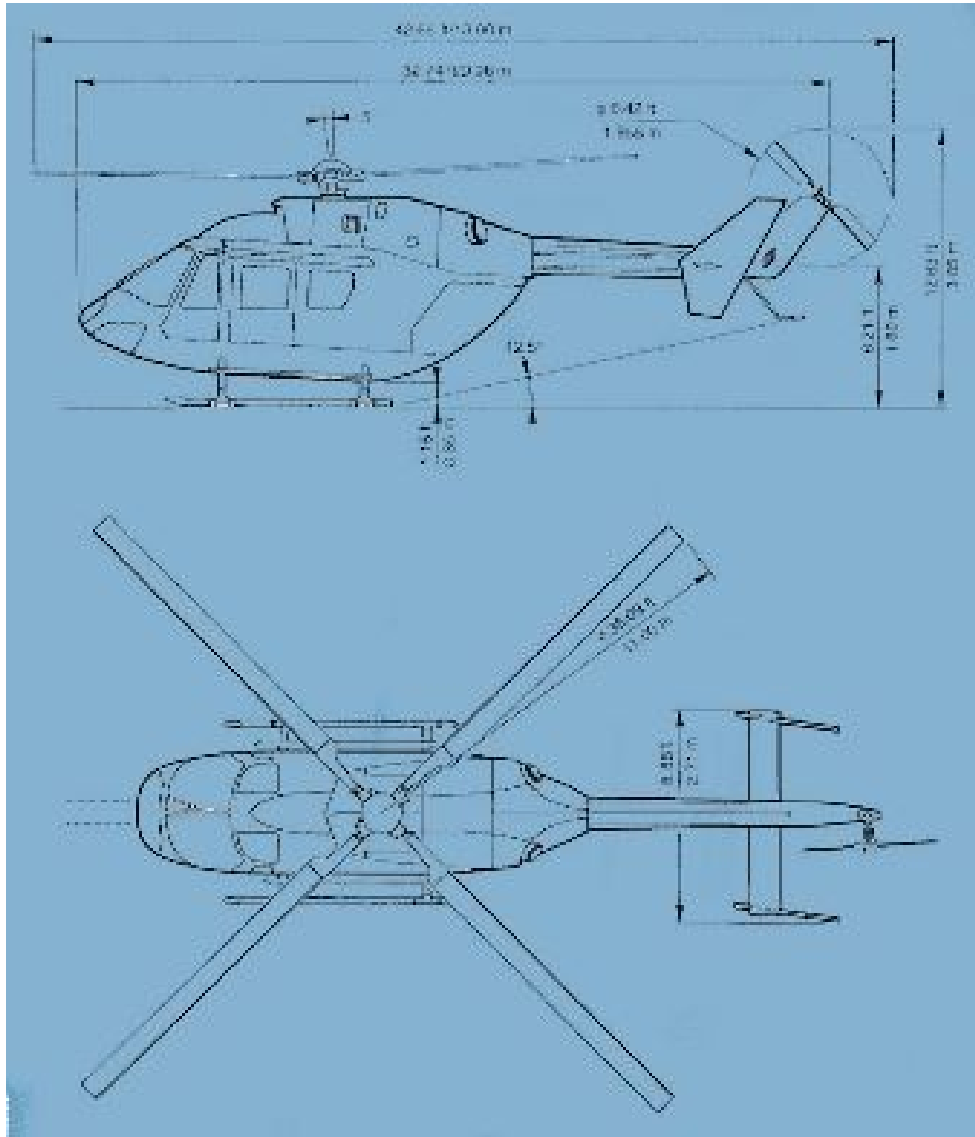
# Interfaces



# Specifications



# Blueprints





**DECLARATION OF CONFORMITY**

This device is in conformance with Part 15 of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Model:	SV-M09071101
Responsible Party:	SHARPVISION CO., LTD.
Address:	THE 4TH FLOOR, NO.4 YANGDONG EAST ROAD, TIANHE DISTRICT, GUANGZHOU, CHINA
Contact Person Title:	STONES DIRECTOR
Telephone:	+86-20-85572206
Fax:	+86-20-85581122

Equipment Class:	FCC Part 15 Class B
Product Type:	TFT LCD MONITOR
Report Number:	82001071101
Issuance Date:	July 21, 2005
Tested by:	Bay Area Compliance Laboratory Corp.
Signature of Official:	 John Y. Chan - Certification Manager

We, the responsible party:  
**SHARPVISION CO., LTD.**  
declare that the product  
**SV-M09071101**  
was tested to conform to the applicable FCC Rules and regulations. The method of testing was in accordance to the most accurate measurement standards possible, and that all necessary steps have been followed to assure that all production units of the same equipment will continue to comply with the Federal Communications Commission's requirements.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_  
Name: \_\_\_\_\_ Title: \_\_\_\_\_



# Vendor lock-in



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# Industrial-strength systems



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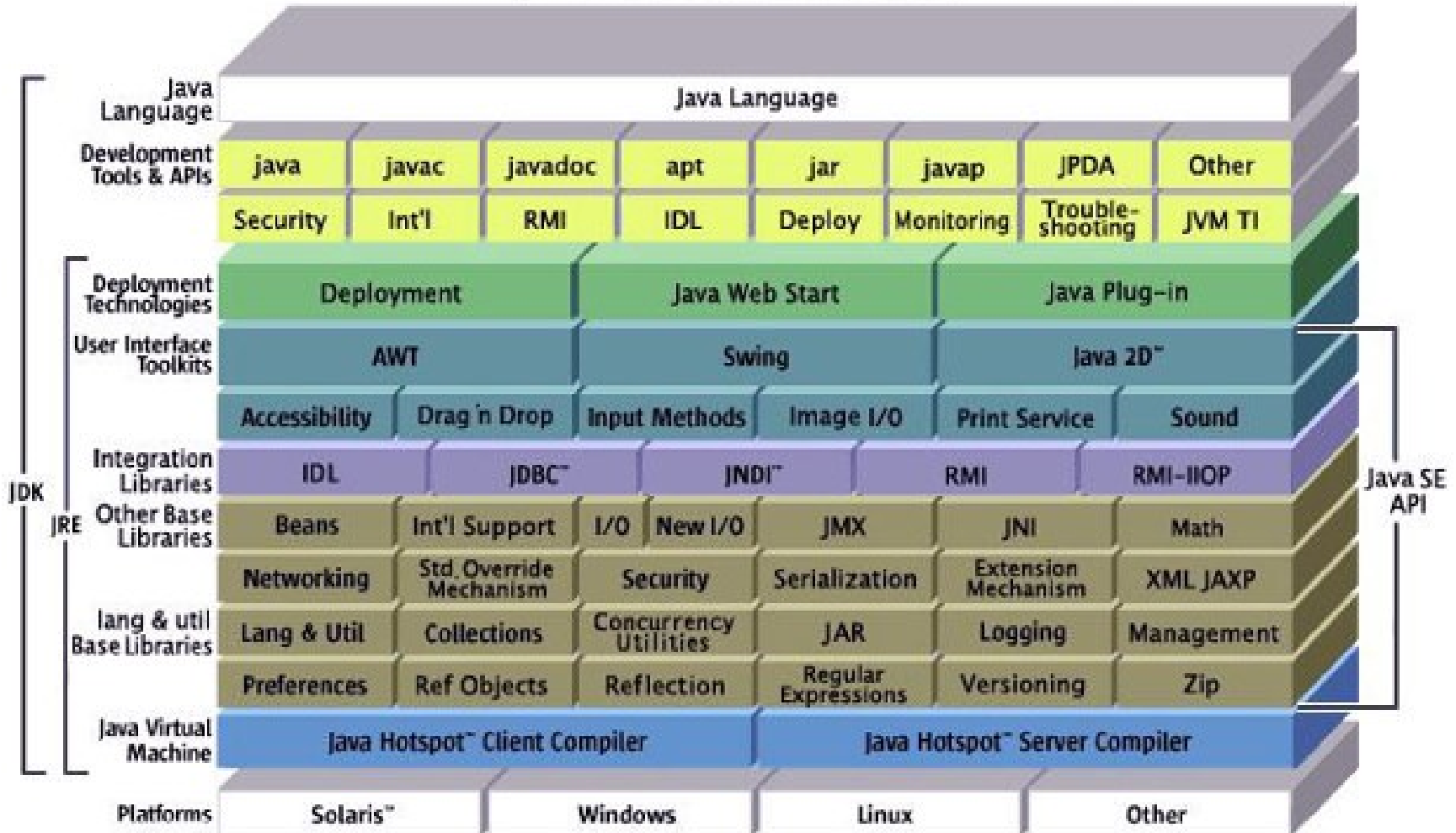
From  [find airport](#)  
To  [find airport](#)  
Depart     
Return     
Cabin





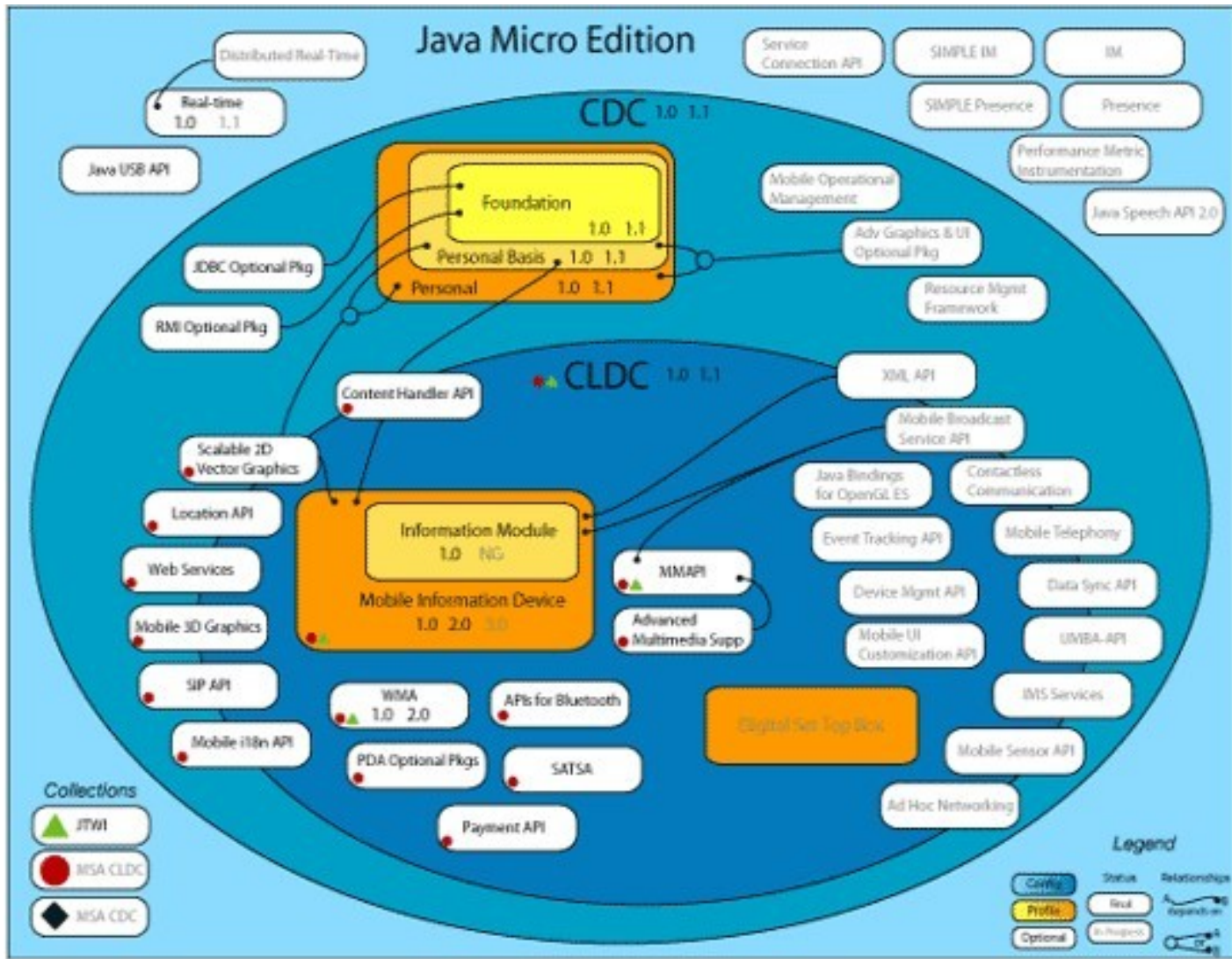


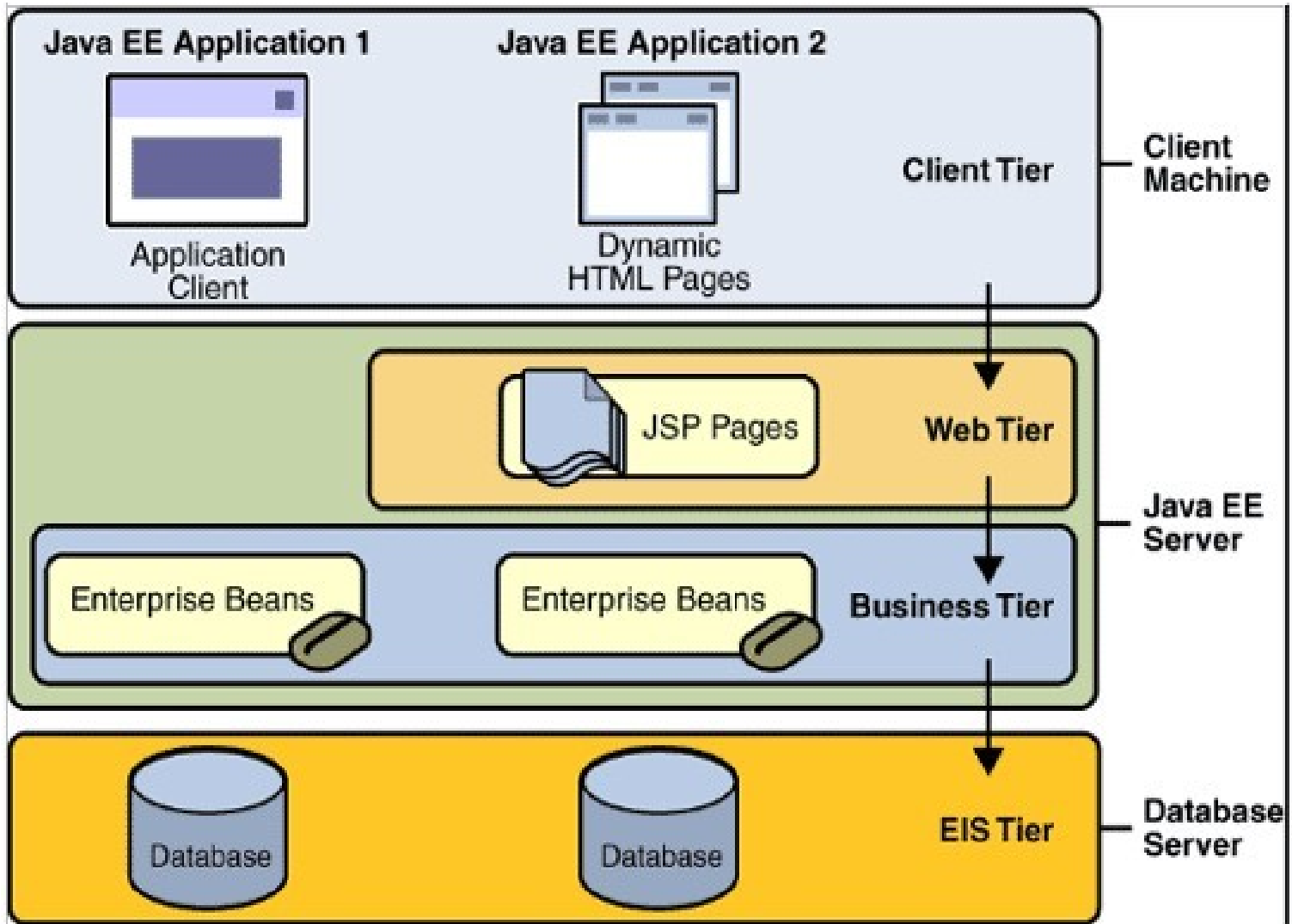
## Java™ Platform Standard Edition



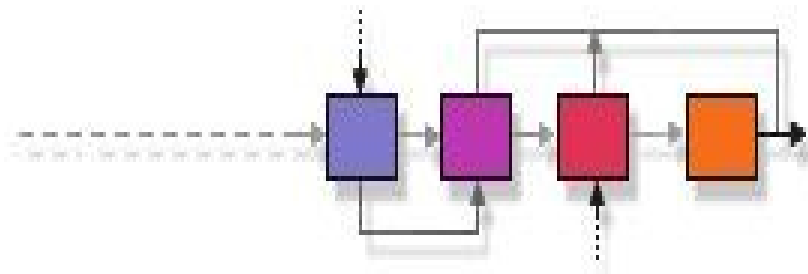


# Java ME



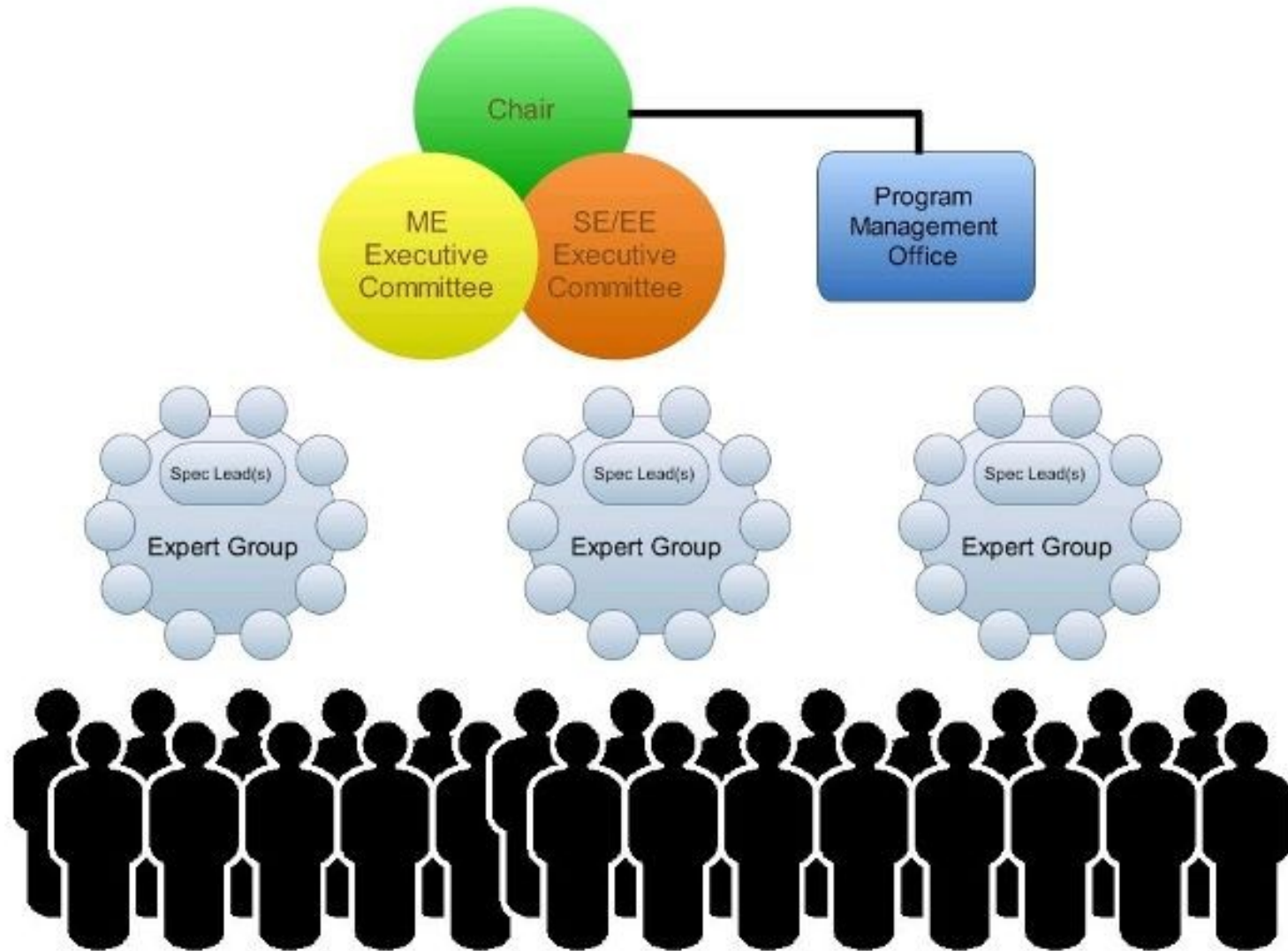


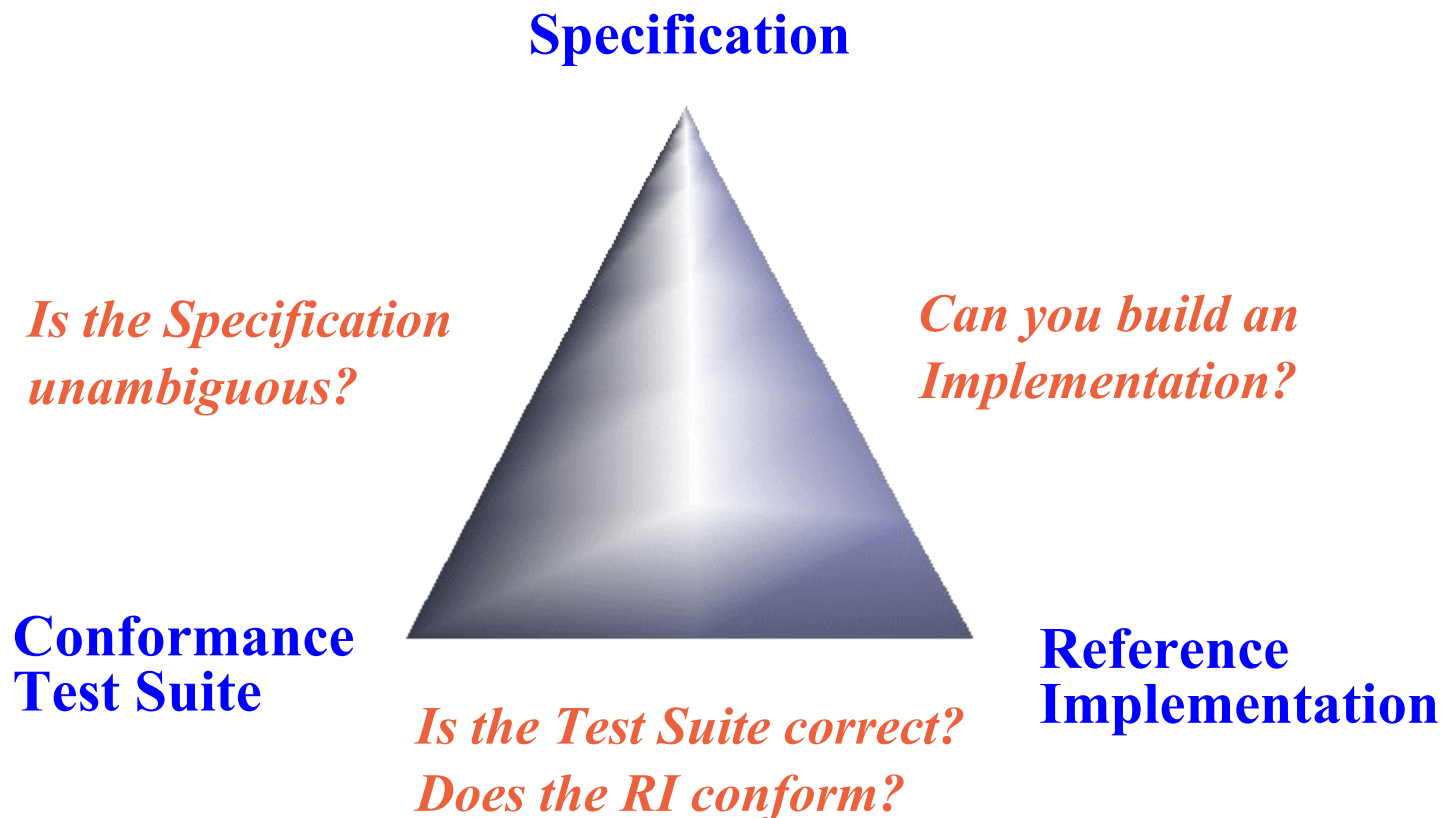
# The Java Community Process



Community Development of  
Java Technology Specifications

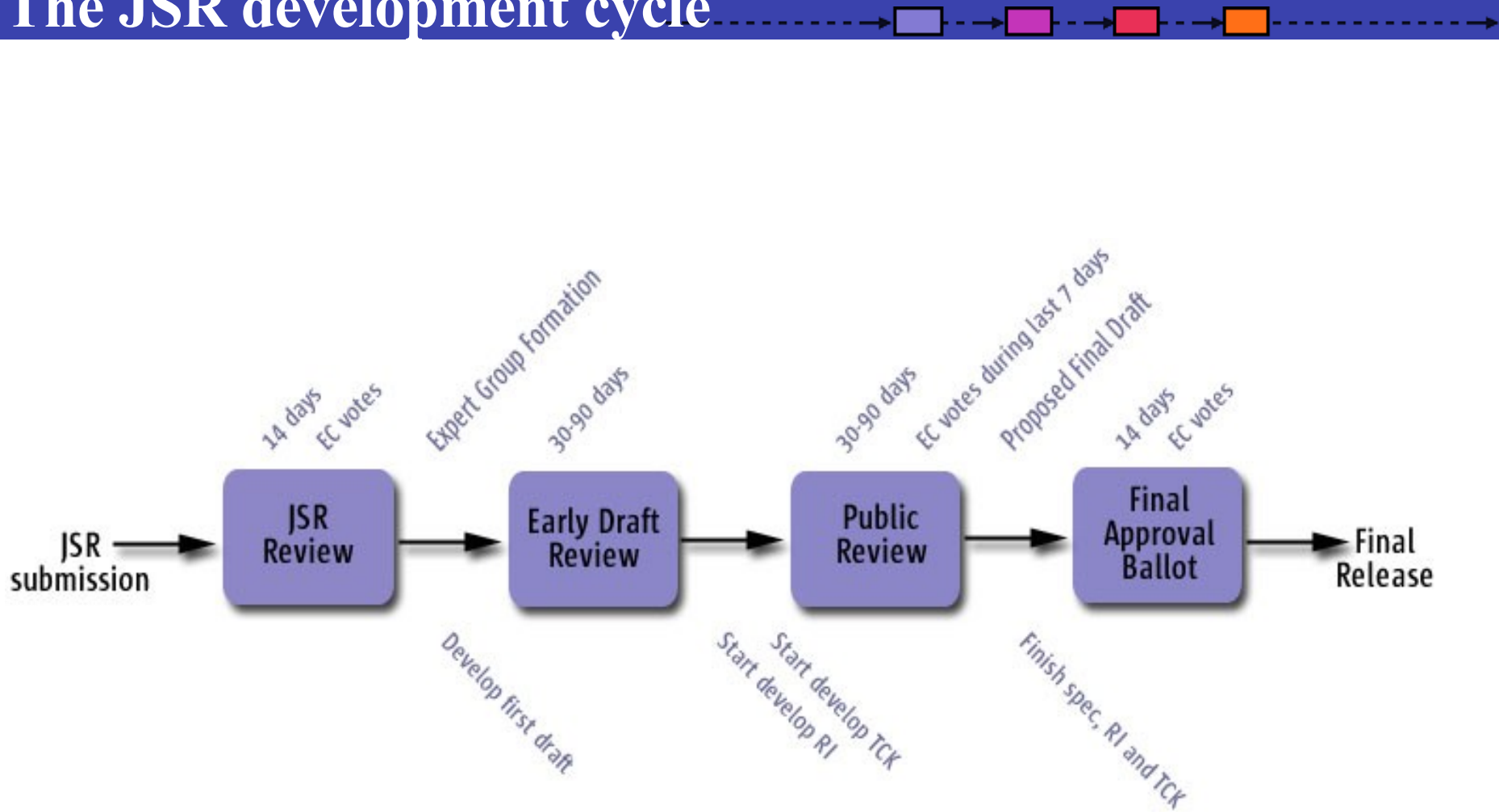
# Organization







# The JSR development cycle



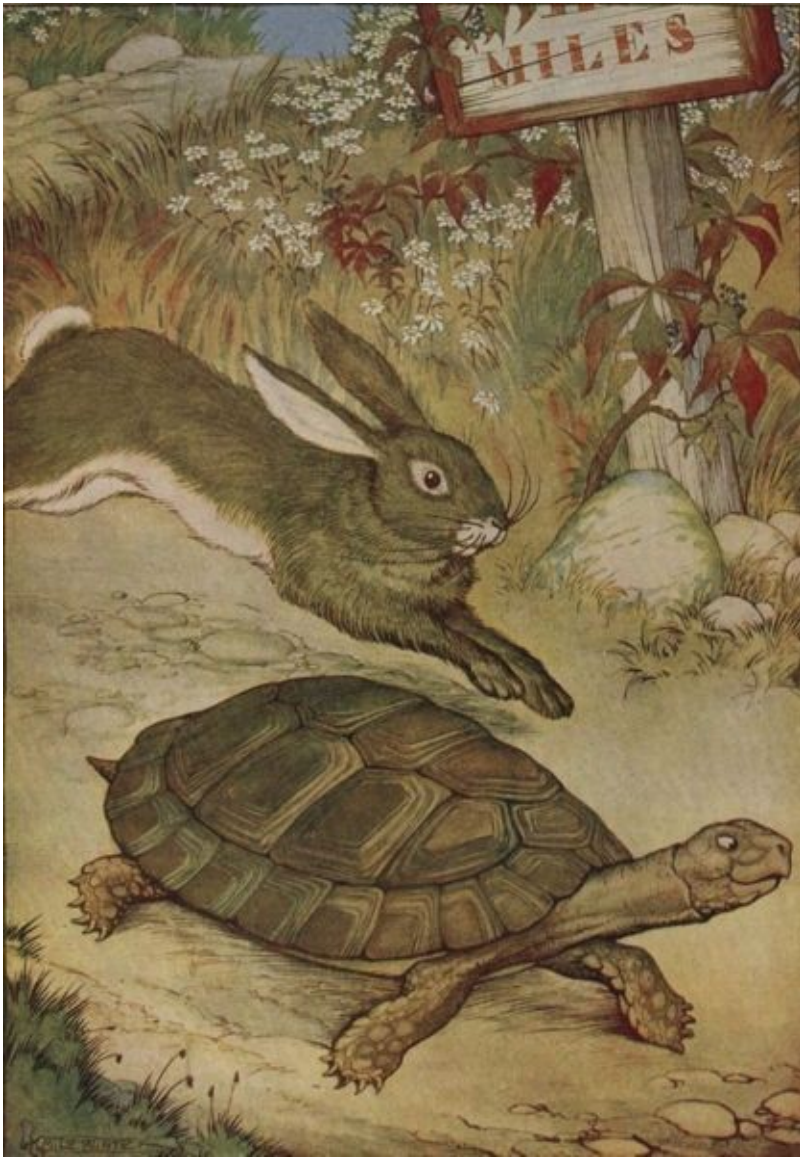








- **L**inux
  - POSIX (IEEE 1003, ISO/IEC 9945)
  - Single UNIX Specification (SUS)
  - Linux Standard Base
- **A**pache
  - HTTP, HTML, XHTML, authentication
  - [http://httpd.apache.org/docs/2.0/misc/relevant\\_standards.html](http://httpd.apache.org/docs/2.0/misc/relevant_standards.html)
- **M**ySQL
  - ANSI/ISO SQL
  - <http://dev.mysql.com/doc/refman/5.0/en/compatibility.html>
- **P**HP
  - ??? (but see Fortran, COBOL, C, C++. Java, C#...)
  - And don't forget Ruby.



# Teamwork





# Transparency



# Open Source AND Open Standards



# Solutions for everyone





# Thank you!



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