							na	
Title	Kind	Author(s)	Year Ref	Domain			⋖	Notes
Code Complete (1st Ed)	Book	McConnnell, S.	1993 [McConnell 1993]	Software	х	x x x		Users the general term Review which includes Inspection and Walkthrough. Also incudes Checklists
Systems Engineering Coping with Complexity	Book	Stevens, R. Brook, P. Jackson, K. & Arnold, S.	1998 [Stevens et al 1998]	Systems	х			Also includes Reviews, Walkthroughs and Audits
Effective Requirments Practices	Book	Young, R.	2001 [Young 2001]	Requirment	s X	x x	X	Inspections, Defect Estimation & Tracking, Audits, Walkthroughs, Testing, Simulation
Introduction to Systems Analysis and Design (5th Ed)	Book	Hawryszliewycz, I.	2001 [Hawryszliewycz 2001]	Software (F	F) X	х		Users the general term Review which includes Inspection and Walkthrough
Peer Reviews in Software: A Practical Guide	Book	Wiegers, K.	2002 [Wiegers 2002]	Software	х	х		Uses the general term Review which includes Inspection, Team Review, Walkthrough, Pair Programming, Passaround & Ad Hoc Meetings
Requirments by Collaboration: Workshops for Defining Needs	Book	Gottesdiener, E.	2002 [Gottesdiener 2002]	Requirment	s X	х	х	Also includes Reviews, Walkthroughs and Checklists
Process Quality Assurance for UML-based Projects	Book	Unhelkar, B.	2003 [Unhelkar 2003]	Software	х	x x		Also includes Walkthroughs, Reviews, Audits, Checklists, Modelling Standards & Quality Metrics
Project Management for Information Systems (4th Ed)	Book	Cadle, J. & Yeates, D.	2004 [Cadle & Yates 2004]	Software (F	F) X	X		Also includes, Self-Checking, Peer review, Management Review, External Review & Walkthrough
Software Measurment and Estimation: A Practical Approach	Book	Laird, L & Brennan, C.	2006 [Laird & Brennan 2006]	Software		х		X Includes measures for Size, Complexity, Effort, Defects, Reliability and Progress
Modern Methods of Systems Engineering	Book	Jenney, J. Gangl, M. Kwolek, R. Melton, D. Ridenour, N. & Coe, M.	2010 [Jenney et al 2010]	Systems	х	x x x	x x	Informal and Formal Reviews, Patrerns (Analogy)
Verification and Validation in Systems Engineering: Assesing UML/SysML Design Models	Book	Debbabi, M. Hassaïne, F. Jarraya, Y. Soeanu, A. & Alawneh, L.	2010 [Debbabi et al 2010]	Systems	х	x x x	x x	Informal / Formal, Static & Dynamic. Review, Inspection, Testing, Reference Model Equivalnce Checking, Theorem Proving,
A Primer for Model-Based Systems Engineering (2nd Ed)	Book	Long, D & Scott, Z	2011 [Long & Scott 2011]	Systems				
A Practical Guide to SysML (2nd Ed)	Book	Friedenthal, S. Moore, A & Steiner, R.	2012 [Friedenthal et al 2012]	Systems	х	х х	х	Describes the concepts of Descriptive and Analytical Models, the latter having subtypes of Static and Dynamic
SysML for Systems Engineering (2nd Ed)	Book	Holt, J. & Perry, S.	2013 [Holt & Perry 2013]	Systems	х			Refrences a 'review activity' and introduces the concept of both a 'testable' and 'tracable' model element
INCOSE Systems Engineering Handbook (4th Ed)	Book	Walden, D. Roedler, G. Forsberg, K. Hamelin, R. & Shortell, T.	2015 [INCOSE 2015]	Systems	х	x x x	X X	
Modelling and Simulation-Based Systems Engineering Handbook	Book	Gianni, D. D'Ambrogio, A & Tolk, A.	2015 [Gianni et al 2015]	Systems		X		Formal Methods, Reference Models
Systems Engineering Simplified	Book	Cloutier, R. Baldwin, C. & Bone, M.	2015 [Cloutier el al 2015]	Systems		x x x		References [Mil-Std 961E 2013]
Agile Systems Engineering	Book	Douglass, B.	2016 [Douglass 2016]	Systems	х	Х	х	
Behavioural Models	Book	Kunze, M. & Weske, M.	2016 [Kunze et al 2016]	Systems		X	х	Model Checking
Expanded Guidance for NASA Systems Engineering. Vol 1: Systems Engineering Practices	Book	NASA	2016 [NASA 2016 B]	Systems	х	x x x	х	Review, Review Boards, Audits, Independent Assesment, Peer Review
Foundations for Model-based Systems Engineering	Book	Holt, J. Perry, S. & Brownsword, M.	2016 [Holt et al 2016]	Systems	х	X X	х	Includes the concepts of Model Review and Assesment plus dedicted pattersn for Analysis and Test
NASE Systems Engineering Handbook (Rev 2)	Book	NASA	2016 [NASA 2016 A]	Systems		x x x		
Model-Based Verification: An Engineering Practice	Paper	Gluch, D. Comella-Dorda, S. Hudak, J. Lewis, G. Walker, J. Weinstock, C. & Zubrow, D.	2002 [Gluch et al 2002]	Software	х			Includes Model Checking
Exploiting Inspection: Some New Practices And Some Reminders	Paper	Gilb, T.	2003 [Glib 2003]	Systems	х			X Focus on the use of Inspection for "any technical documention". Includes the use of Sampling
Model-Based Verification And Validation Of Properties	Paper	Engels, G. Küster, J. Heckel, R. & Lohmann, M.	2003 [Engels et al 2003]	Software		X X		Model Checking, Theorem Proving, Testing
Validating Specifications For Model-Based Testing	Paper	Koopman, P. Achten, P. & Plasmeijer, R.	2008 [Koopman et al 2008]	Systems		х х х	х	
Model-Based Verification Of Embedded Software	Paper	Shokry, H. & Hinchey, M.	2009 [Shokry & Hinchey 2009]	Software	х	X X	х	Inspection, Testing, Static Analysis, X in-the-loop, Simulatiom
Early Model-Based Verification Of Automotive Control System Implementation	Paper	Shahbakhyi, M. Li, J. & Hedrick, K.	2012 [Shahbakhyi et al 2012]	Systems		X X	х	Software in-the-loop
MBSE and V&V: A Tool-equipped Method for combining Various V&V strategies	Paper	Nastov, B. Chapurlat, V. Dony, C. & Pfister, F.	2012 [Nastov et al 2012]	Systems				
Model-Based Verification And Validation Of Spacecraft Avionics	Paper	Khan, M. Sievers, M. & Standley, S.	2012 [Khan, M et al 2012]	Systems				
Model-Based Verification And Validation Of Safety-Critical Embedded Real-Time Systems: Formation And Tools	Paper	Khan, A. Kham, Z. & Weigup, Z.	2013 [Khan, A et al 2013]	Systems	х	X X	х	Testing, X in-the-loop, Simulation, Reviews, Walkthroughs, Inspections, Static Analysis, Model Checking.
Documents Are An Essential Part Of Model Based Systems Engineering	Paper	Logan, P. Harvey, D. & Spencer, D.	2014 [Logan et al 2014]	Systems				
Model Verification & Validation and Model Based Systems Engineering: Towards executable DSML	Paper	Nastov, B. Chapurlat, V. Dony, C. & Pfister, F.	2014 [Nastov et al 2014]	Systems				
Utilizing MBSE Patterns to Accelerate System Verification	Paper	Cook, D. & Schindel, W.	2015 [Cook & Schindel 2015]	Systems				
Model Verification For System Design Of Complex Mechatronic Products	Paper	Chen, R. Liu, Y. Zhao, J & Ye, X.	2016 [Chen et al 2016]	Systems				
Towards the Automation of Model-Based Design Verification	Paper	Schamai, W. Albarello, N. Helle, P & Buffoni, L.	2016 [Schamai et al 2016]	Systems		х х х	Х	Analysis, Simulation, Model Checking
Towards V&V suitable Domain Specific Modeling Languages for MBSE: A Tooled Approach	Paper	Nastov, B. Chapurlat, V. Dony, C. & Pfister, F.	2016 [Nastov et al 2016]	Systems				
Verifying Sysml Activity Diagrams Using Formal Transformation To Petri Nets	Paper	Huang, E. McGinnis, L. & Mitchell, S.	2016 [Huang et al 2016]	Systems				
Validation and Verification of MBSE-Compliant CubeSat Reference Model	Paper	Kaslow, D. & Madni, A.	2017 [Kaslow & Madni 2017]	Systems				
An Apporach: SysML-based Automated Completeness Evaluation of the System Requirements Specification	Paper	Bankauskaite, J & Morkevicius, A.	2018 [Bankauskaite & Morkevicius 2018]			Х		Model Metrics
Applying Standard Independent Verification And Validation Techniques Within An Agile Framework: Identifying And Reconciling Incompatibilities	Paper	Dabney, J. & Arthur, J.	2018 [Dabney & Arthur 2018]	Systems				
SysML Models Verification And Validation In An Industrial Context: Challenges & Experimentation	Paper	Baduel, R. Chami, M. Bruel, J. & Ober, I.	2018 [Baduel et al 2018]	Systems				
Verification and Validation of a new type of Railway Signal using MBSE and Simulation	Paper	Stevenson, D. Vine, K. & Towers, J.	2018 [Stevenson et al 2018]	Systems	х	х х х	Х	
A Practical Guide to Statistical Verification	Paper	Kolozs, J. & Black, C.	2019 [Kolozs & Black 2019]	Systems		х		x
Questioning Integration Of Verification In Model-Based Systems Engineering: An Industrial Perspective	Paper	Laing, C. David, P. Blanco, E. & Dorel, X.	2019 [Laing et al 2019]	Systems				

Туре	Formality	Effectivness	Cost	Charactersitic
Inspection (Systems)	N/A			N/A
Inspection (Software)	High	High	High	Formal process and roles
Review (Systems)	N/A	Moderate		
Review (Software)	N/A			
Peer-Review	Variable	-	-	Carried out by peers of the author / aretefact owner
Walkthrough	Medium	Moderate	Medium	
Audit	Very High	High	High	
Pair-Programming	Medium	High	Medium	Continous review by having two people working on the same artefact together
Passaround	Low	Moderate	Low	
Self-Check	Low	Low	Low	
Management Review	Variable	-	-	Carried out by management within organisation
External Review	Variable	-	-	Coarried out by 3rd party

Source(s) Notes

Consisdered the supertype in Systems Engineering and aimed at the System of Interest
A substype of Review in Software and Requirments aimed at requirments, designs, models and code
A subtype of Inspection in Systems Engioneering aimed at 'process artifacts'
Consisdered the supertype in Software and Requirments

Effectivness and cost will vary on formality

Effectivness and cost will vary on formality Effectivness and cost will vary on formality