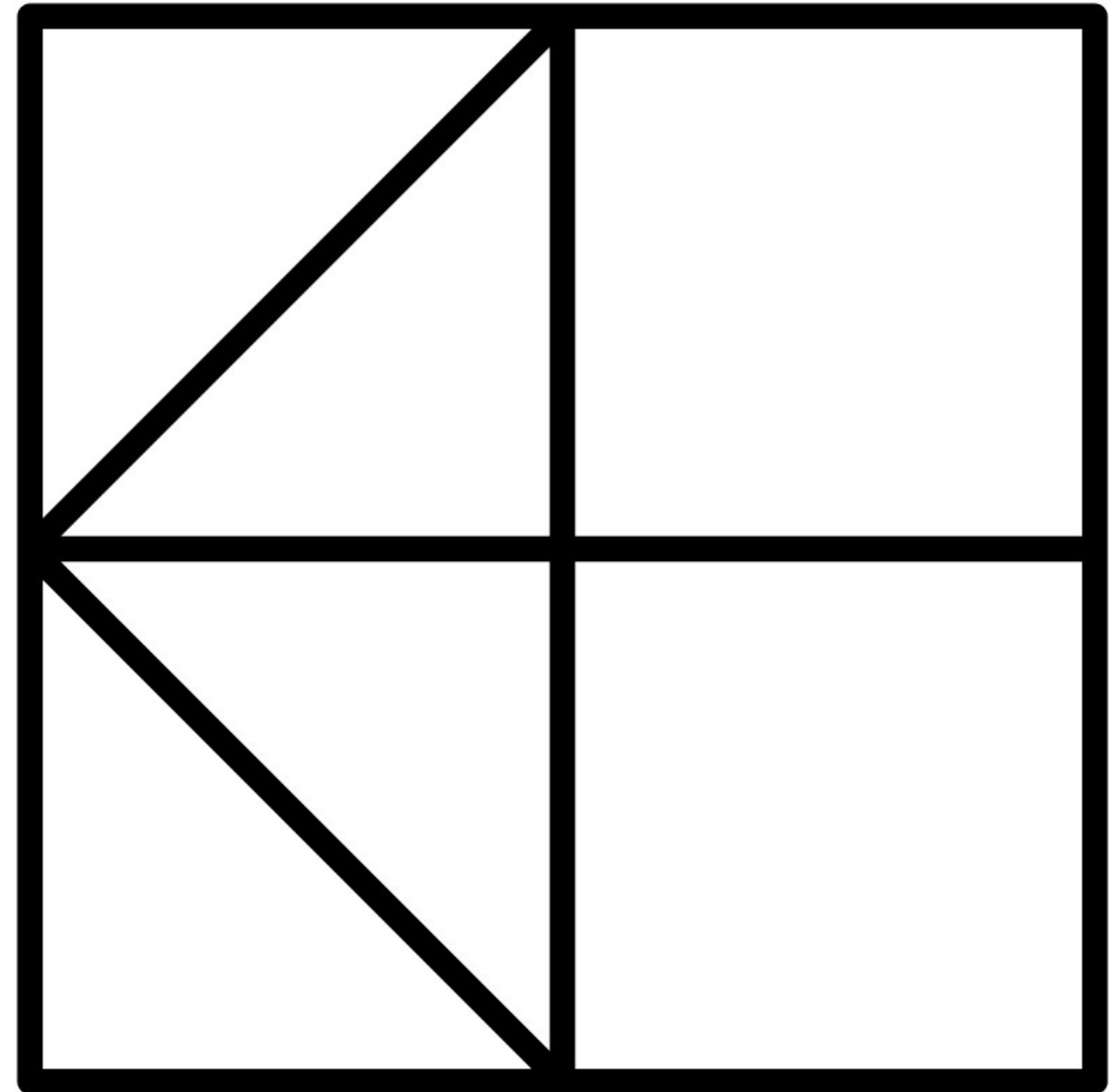


# IBM Mainframe Life Cycle History

V2.14 – October 10<sup>th</sup>, 2023

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IBM Canada Ltd.

[dclarke@ca.ibm.com](mailto:dclarke@ca.ibm.com)





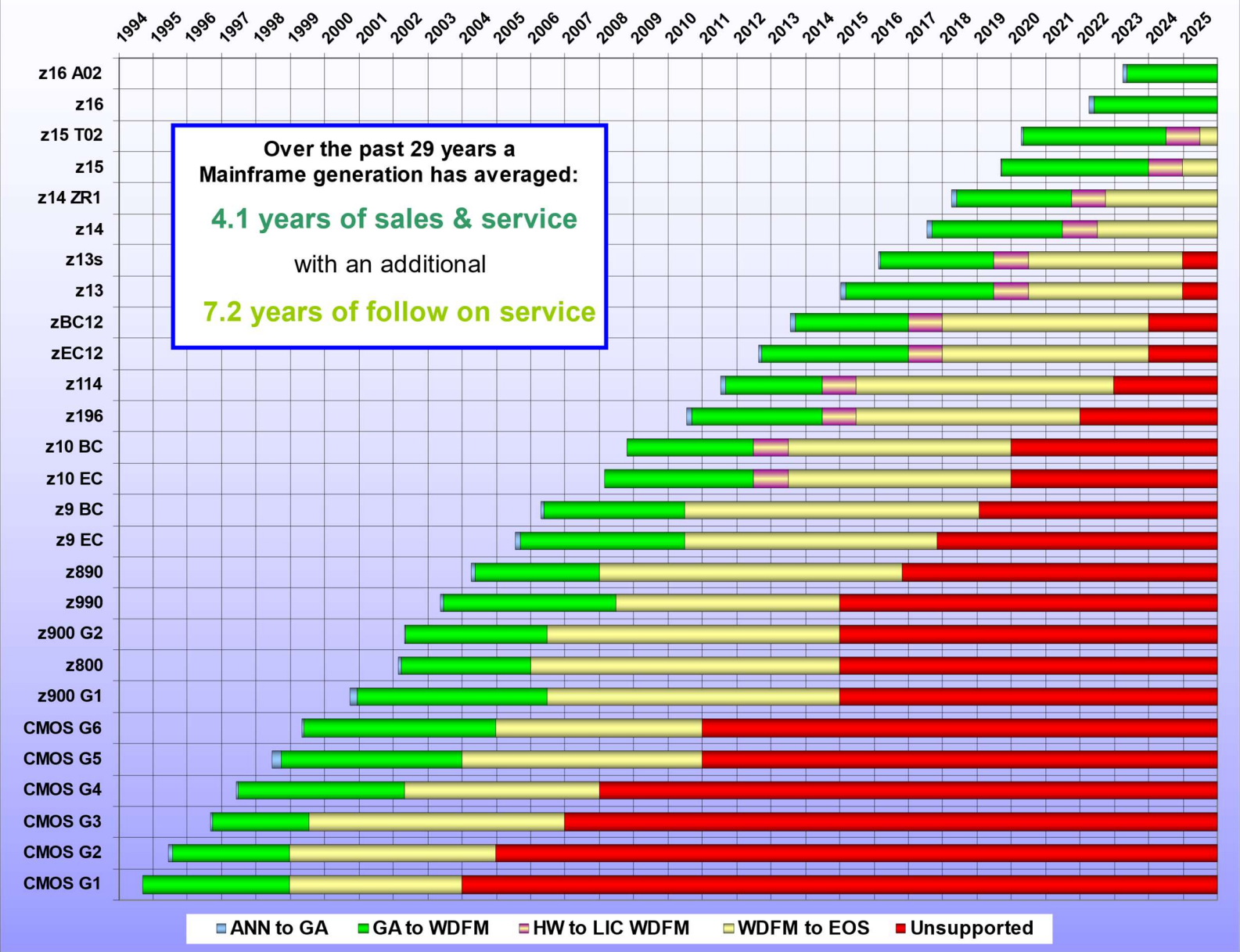
**IBM z16 A01**



**IBM z16 A02/AGZ**



# IBM Mainframe Life Cycle History



# IBM Mainframe Life Cycle History

Machine			Dates					Years		
Type	Model	Family	ANN	GA	HW WDFM	LIC WDFM	EOS	ANN to GA	GA to HW WDFM	HW WDFM to EOS
3932	A02	z16 A02	April 4, 2023	May 17, 2023				0.1		
3931	A01	z16	April 5, 2022	May 31, 2022				0.2		
8562	T02	z15 T02	April 14, 2020	May 15, 2020	June 30, 2024	June 30, 2025		0.1	4.1	
8561	T01	z15	September 12, 2019	September 23, 2019	December 31, 2023	December 31, 2024		0.0	4.3	
3907	ZR1	z14 ZR1	April 10, 2018	May 31, 2018	September 30, 2021	September 30, 2022		0.1	3.3	
3906	M0n	z14	July 17, 2017	September 13, 2017	June 30, 2021	June 30, 2022		0.2	3.8	
2965	Nnn	z13s	February 16, 2016	March 10, 2016	June 30, 2019	June 30, 2020	December 31, 2024	0.1	3.3	5.5
2964	Nnn	z13	January 14, 2015	March 9, 2015	June 30, 2019	June 30, 2020	December 31, 2024	0.1	4.3	5.5
2828	Hnn	zBC12	July 23, 2013	September 20, 2013	December 31, 2016	December 31, 2017	December 31, 2023	0.2	3.3	7.0
2827	Hnn	zEC12	August 28, 2012	September 19, 2012	December 31, 2016	December 31, 2017	December 31, 2023	0.1	4.3	7.0
2818	Mnn	z114	July 12, 2011	September 9, 2011	June 30, 2014	June 30, 2015	December 31, 2022	0.2	2.8	8.5
2817	Mnn	z196	July 22, 2010	September 10, 2010	June 30, 2014	June 30, 2015	December 31, 2021	0.1	3.8	7.5
2098	E10	z10 BC	October 21, 2008	October 28, 2008	June 30, 2012	June 30, 2013	December 31, 2019	0.0	3.7	7.5
2097	Enn	z10 EC	February 26, 2008	February 26, 2008	June 30, 2012	June 30, 2013	December 31, 2019	0.0	4.3	7.5
2096	R07/S07	z9 BC	April 27, 2006	May 26, 2006	June 30, 2010		January 31, 2019	0.1	4.1	8.6
2094	Snn	z9 EC	July 26, 2005	September 16, 2005	June 30, 2010		October 31, 2017	0.1	4.8	7.3
2086	A04	z890	April 7, 2004	May 28, 2004	December 31, 2007		October 31, 2016	0.1	3.6	8.8
2084		z990	May 13, 2003	June 16, 2003	June 30, 2008		December 31, 2014	0.1	5.0	6.5
2064	2nn	z900 G2	April 30, 2002	May 15, 2002	June 30, 2006		December 31, 2014	0.0	4.1	8.5
2066		z800	February 19, 2002	March 29, 2002	December 31, 2005		December 31, 2014	0.1	3.8	9.0
2064	1nn	z900 G1	October 3, 2000	December 18, 2000	June 30, 2006		December 31, 2014	0.2	5.5	8.5
9672	nn7	CMOS G6	May 3, 1999	May 28, 1999	December 31, 2004		December 31, 2010	0.1	5.6	6.0
9672	nn6	CMOS G5	June 23, 1998	September 30, 1998	December 31, 2003		December 31, 2010	0.3	5.3	7.0
9672	Rn5	CMOS G4	June 9, 1997	June 30, 1997	April 30, 2002		December 31, 2007	0.1	4.8	5.7
9672	Rn4	CMOS G3	September 10, 1996	September 30, 1996	July 20, 1999		December 31, 2006	0.1	2.8	7.4
9672	Rn2/3	CMOS G2	June 12, 1995	July 31, 1995	December 29, 1998		December 31, 2004	0.1	3.4	6.0
9672	Rn1	CMOS G1	September 13, 1994	September 13, 1994	December 29, 1998		December 31, 2003	0.0	4.3	5.0
Average								0.1	4.1	7.2

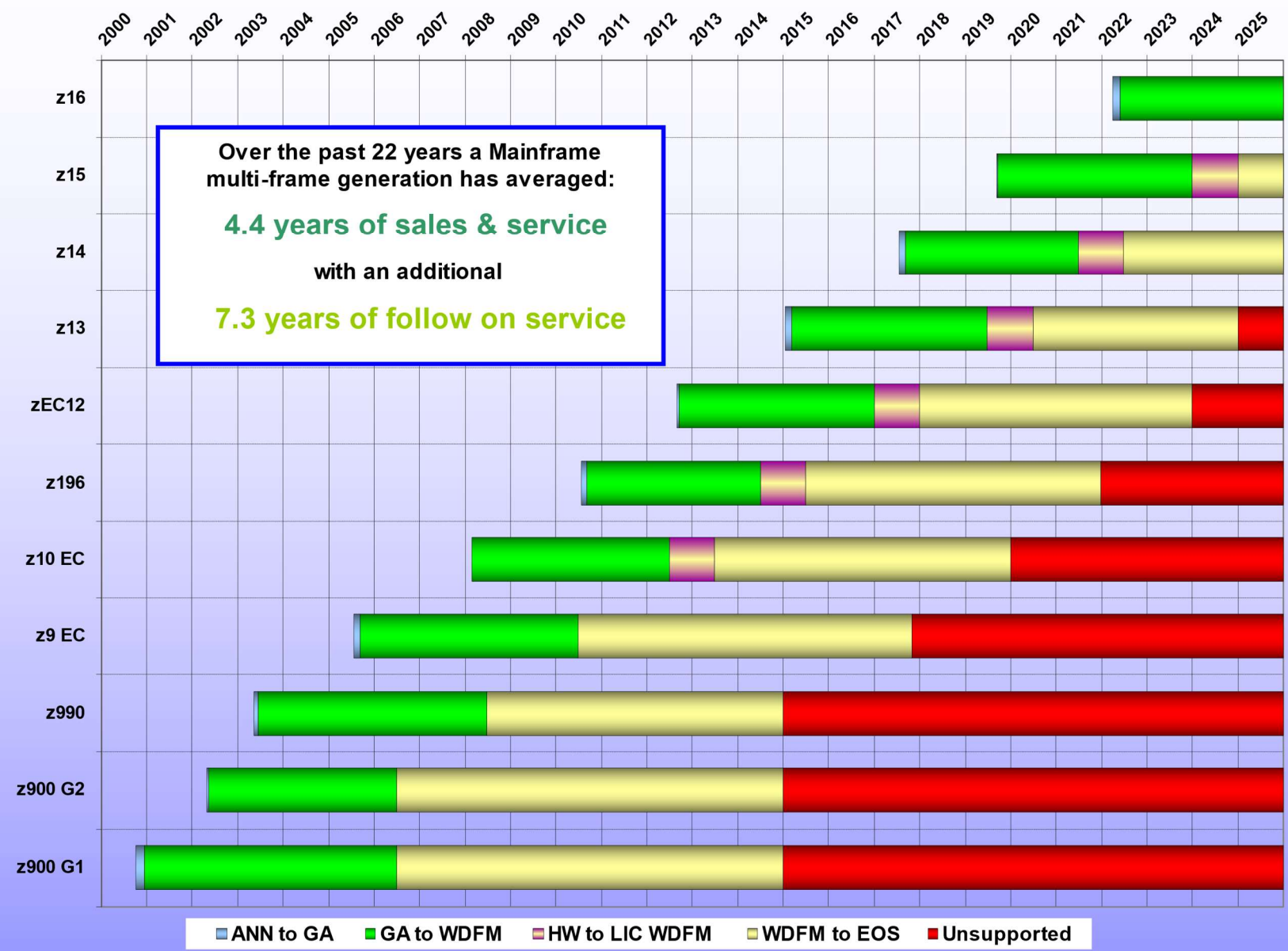
## Legend:

**ANN** Announcement of a new product  
**GA** General availability of a product  
**HW WDFM** Hardware withdrawal from marketing  
**LIC WDFM** Licensed Internal Code withdrawal from marketing.  
**EOS** End of service (unsupported)

**ANN to GA** - actual or announced number of years between ANN and GA  
**GA to HW WDFM** - actual or announced number of years between GA and HW WDFM  
**HW WDFM to EOS** - actual or announced number of years between HW WDFM and EOS



# IBM Mainframe Life Cycle History Multi-frame



# IBM Mainframe Life Cycle History

## Multi-frame

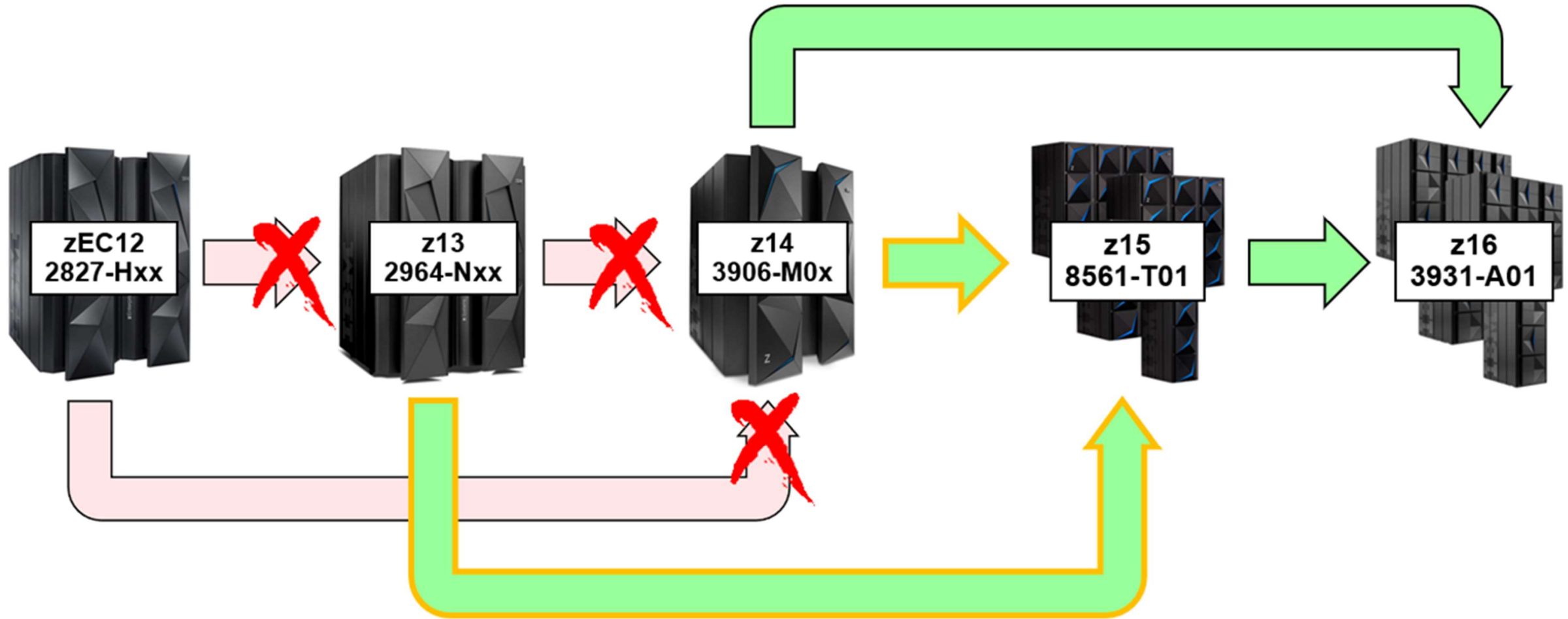
Machine			Dates					Years			
Type	Model	Family	ANN	GA	HW WDFM	LIC WDFM	EOS	GA to GA	ANN to GA	GA to HW WDFM	HW WDFM to EOS
3931	A01	z16	April 5, 2022	May 31, 2022				2.7	0.2		
8561	T01	z15	September 12, 2019	September 23, 2019	December 31, 2023	December 31, 2024		2.0	0.0	4.3	
3906	M0n	z14	July 17, 2017	September 13, 2017	June 30, 2021	June 30, 2022		2.5	0.2	3.8	
2964	Nnn	z13	January 14, 2015	March 9, 2015	June 30, 2019	June 30, 2020	December 31, 2024	2.5	0.1	4.3	5.5
2827	Hnn	zEC12	August 28, 2012	September 19, 2012	December 31, 2016	December 31, 2017	December 31, 2023	2.0	0.1	4.3	7.0
2817	Mnn	z196	July 22, 2010	September 10, 2010	June 30, 2014	June 30, 2015	December 31, 2021	2.5	0.1	3.8	7.5
2097	Enn	z10 EC	February 26, 2008	February 26, 2008	June 30, 2012	June 30, 2013	December 31, 2019	2.4	0.0	4.3	7.5
2094	Snn	z9 EC	July 26, 2005	September 16, 2005	June 30, 2010		October 31, 2017	2.3	0.1	4.8	7.3
2084		z990	May 13, 2003	June 16, 2003	June 30, 2008		December 31, 2014	1.1	0.1	5.0	6.5
2064	2nn	z900 G2	April 30, 2002	May 15, 2002	June 30, 2006		December 31, 2014	1.4	0.0	4.1	8.5
2064	1nn	z900 G1	October 3, 2000	December 18, 2000	June 30, 2006		December 31, 2014		0.2	5.5	8.5
Average								2.1	0.1	4.4	7.3

### Legend:


<b>ANN</b>	Announcement of a new product
<b>GA</b>	General availability of a product
<b>HW WDFM</b>	Hardware withdrawal from marketing
<b>LIC WDFM</b>	Licensed Internal Code withdrawal from marketing.
<b>EOS</b>	End of service (unsupported)

<b>GA to GA</b>	- actual number of years between GA of this family and GA of the previous family
<b>ANN to GA</b>	- actual or announced number of years between ANN and GA
<b>GA to HW WDFM</b>	- actual or announced number of years between GA and HW WDFM
<b>HW WDFM to EOS</b>	- actual or announced number of years between HW WDFM and EOS

# Hardware Family Upgrade\* Paths Multi-frame

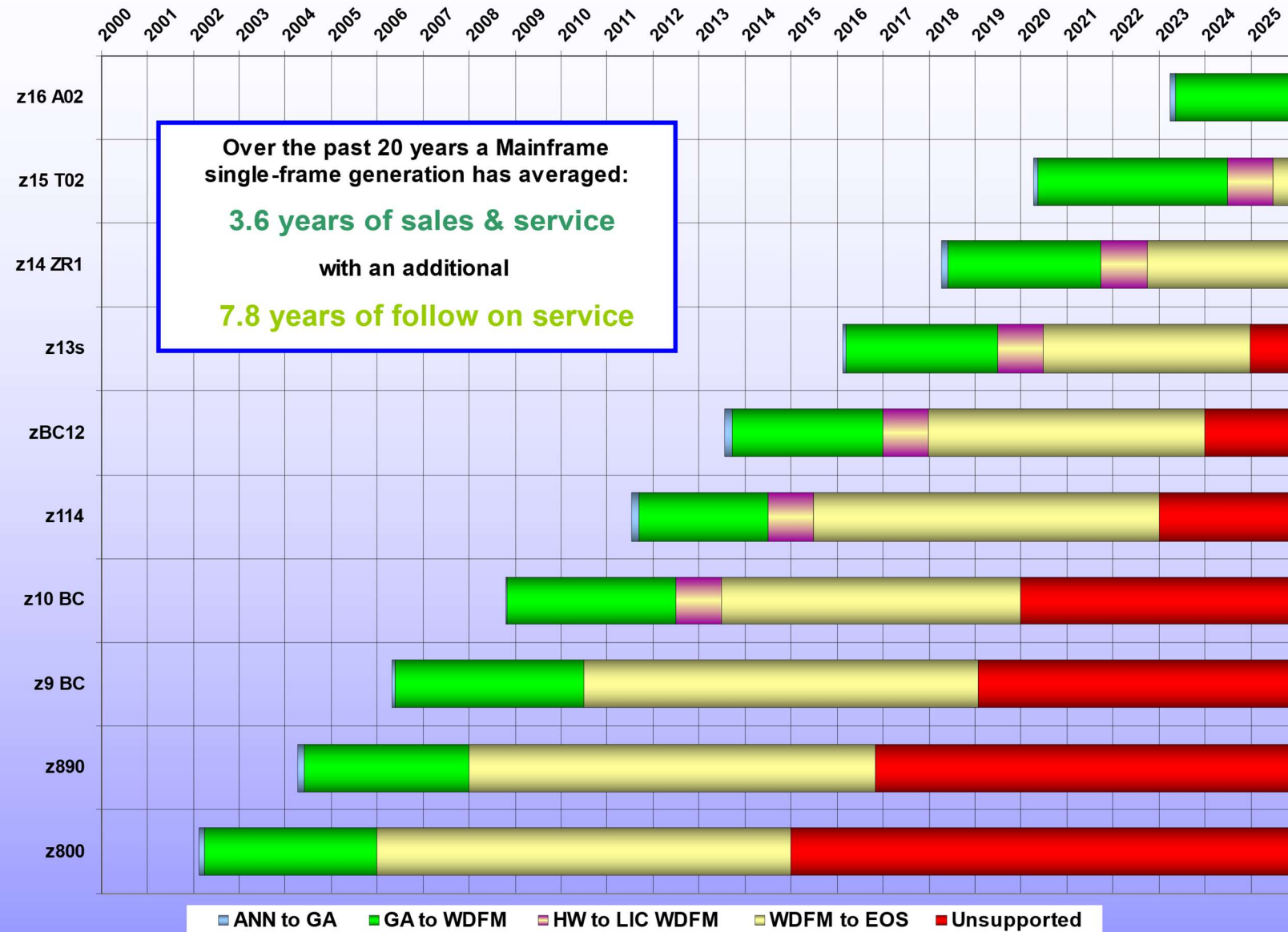


\* see "Model Conversion" in the appropriate IBM announcement letter

 = upgrade path no longer available

 = to be withdrawn December 31<sup>st</sup>, 2023

## IBM Mainframe Life Cycle History Single-frame





# IBM Mainframe Life Cycle History

## Single-frame

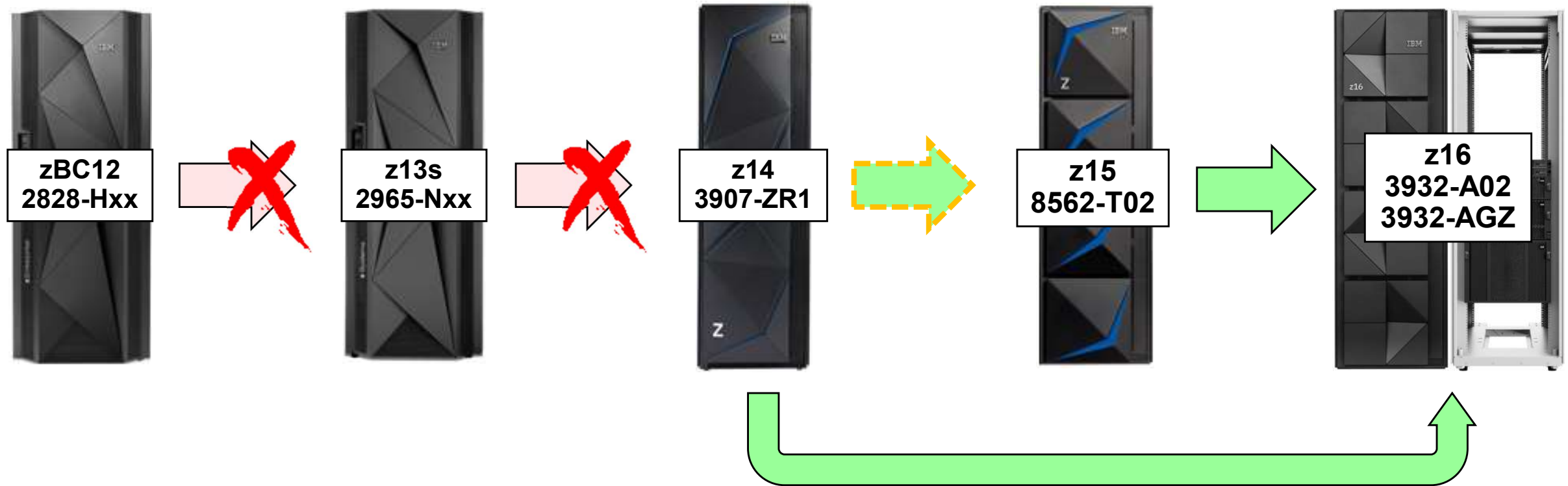
Machine			Dates					Years			
Type	Model	Family	ANN	GA	HW WDFM	LIC WDFM	EOS	GA to GA	ANN to GA	GA to HW WDFM	HW WDFM to EOS
3932	A02	z16 A02	April 4, 2023	May 17, 2023				3.0	0.1		
8562	T02	z15 T02	April 14, 2020	May 15, 2020	June 30, 2024	June 30, 2025		2.0	0.1	4.1	
3907	ZR1	z14 ZR1	April 10, 2018	May 31, 2018	September 30, 2021	September 30, 2022		2.2	0.1	3.3	
2965	Nnn	z13s	February 16, 2016	March 10, 2016	June 30, 2019	June 30, 2020	December 31, 2024	2.5	0.1	3.3	5.5
2828	Hnn	zBC12	July 23, 2013	September 20, 2013	December 31, 2016	December 31, 2017	December 31, 2023	2.0	0.2	3.3	7.0
2818	Mnn	z114	July 12, 2011	September 9, 2011	June 30, 2014	June 30, 2015	December 31, 2022	2.9	0.2	2.8	8.5
2098	E10	z10 BC	October 21, 2008	October 28, 2008	June 30, 2012	June 30, 2013	December 31, 2019	2.4	0.0	3.7	7.5
2096	R07/S07	z9 BC	April 27, 2006	May 26, 2006	June 30, 2010		January 31, 2019	2.0	0.1	4.1	8.6
2086	A04	z890	April 7, 2004	May 28, 2004	December 31, 2007		October 31, 2016	2.2	0.1	3.6	8.8
2066		z800	February 19, 2002	March 29, 2002	December 31, 2005		December 31, 2014		0.1	3.8	9.0
Average								2.3	0.1	3.6	7.8

### Legend:



<b>ANN</b>	Announcement of a new product
<b>GA</b>	General availability of a product
<b>HW WDFM</b>	Hardware withdrawal from marketing
<b>LIC WDFM</b>	Licensed Internal Code withdrawal from marketing.
<b>EOS</b>	End of service (unsupported)

<b>GA to GA</b>	- actual number of years between GA of this family and GA of the previous family
<b>ANN to GA</b>	- actual or announced number of years between ANN and GA
<b>GA to HW WDFM</b>	- actual or announced number of years between GA and HW WDFM
<b>HW WDFM to EOS</b>	- actual or announced number of years between HW WDFM and EOS

# Hardware Family Upgrade\* Paths Single-frame



\* see "Model Conversion" in the appropriate IBM announcement letter

 = upgrade path no longer available  
 = to be withdrawn June 30<sup>th</sup>, 2024

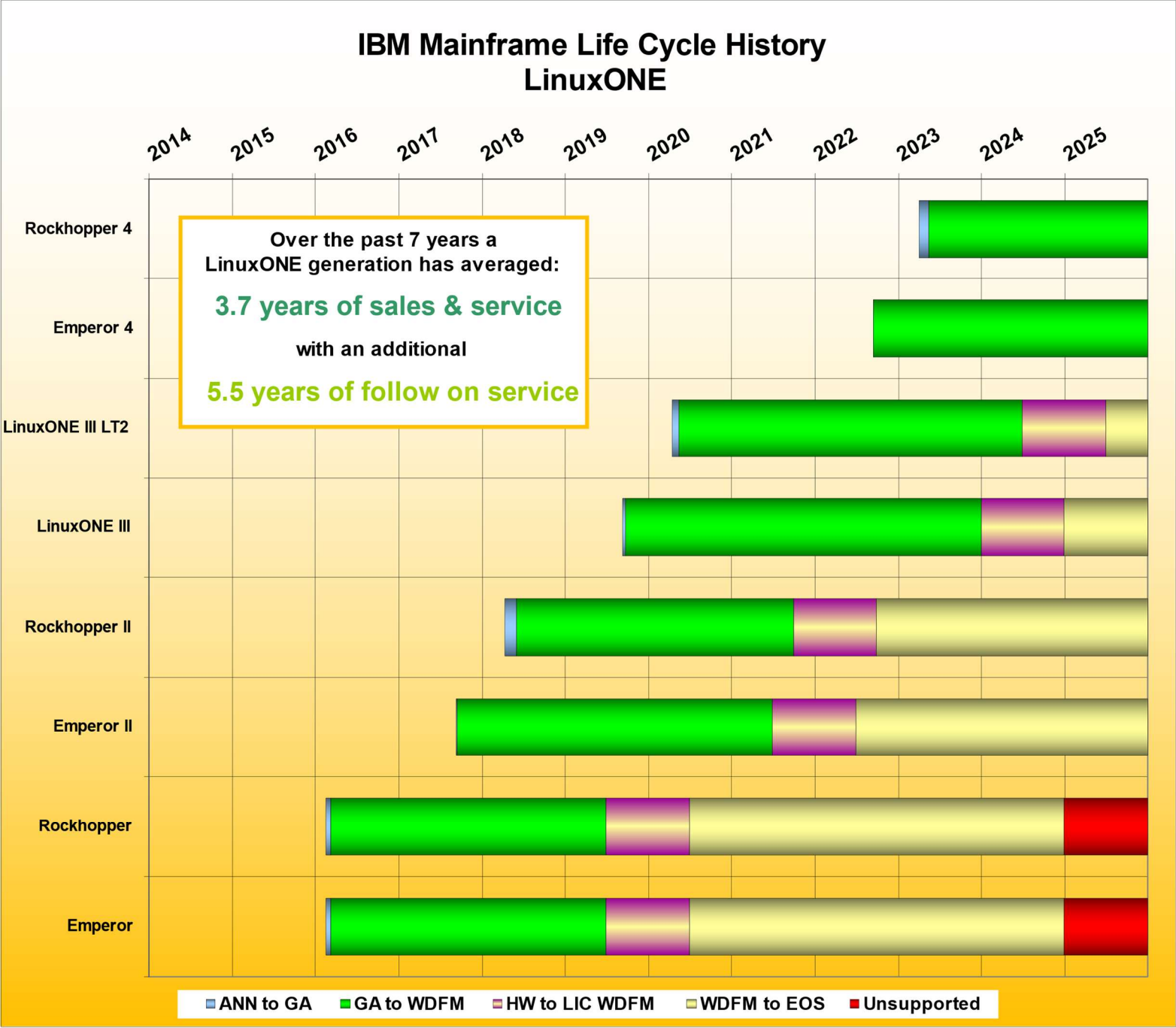


**LinuxONE Emperor 4**



**LinuxONE Rockhopper 4**







# IBM Mainframe Life Cycle History

## LinuxONE

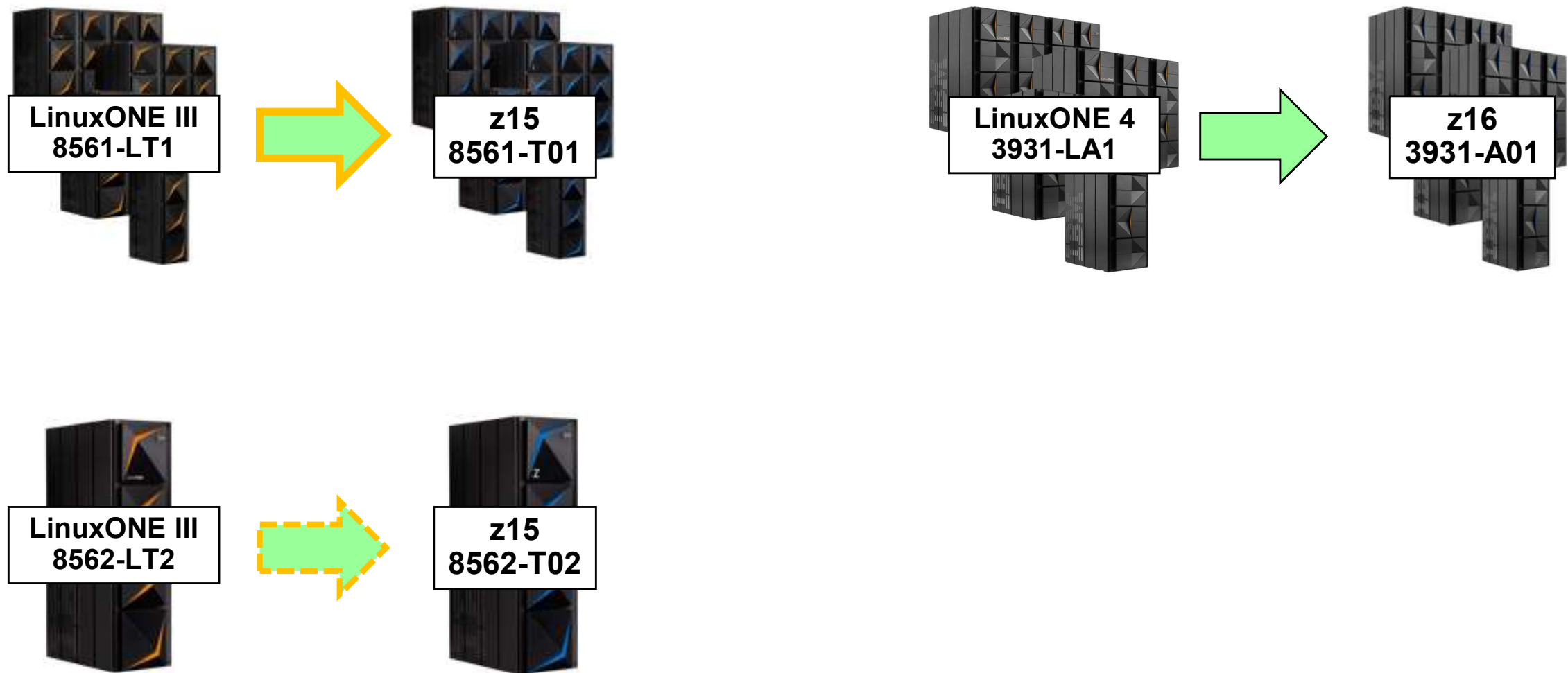
Machine			Dates					Years			
Type	Model	Family	ANN	GA	HW WDFM	LIC WDFM	EOS	GA to GA	ANN to GA	GA to HW WDFM	HW WDFM to EOS
3932	LA2	Rockhopper 4	April 4, 2023	May 17, 2023				3.0	0.1		
3931	LA1	Emperor 4	September 13, 2022	September 14, 2022				3.0	0.0		
8562	LT2	LinuxONE III LT2	April 14, 2020	May 15, 2020	June 30, 2024	June 30, 2025		2.0	0.1	4.1	
8561	LT1	LinuxONE III	September 12, 2019	September 23, 2019	December 31, 2023	December 31, 2024		2.0	0.0	4.3	
3907	LR1	Rockhopper II	April 10, 2018	May 31, 2018	September 30, 2021	September 30, 2022		2.2	0.1	3.3	
3906	LMn	Emperor II	September 12, 2017	September 13, 2017	June 30, 2021	June 30, 2022		1.5	0.0	3.8	
2965	Lnn	Rockhopper	February 16, 2016	March 10, 2016	June 30, 2019	June 30, 2020	December 31, 2024		0.1	3.3	5.5
2964	Lnn	Emperor	February 16, 2016	March 10, 2016	June 30, 2019	June 30, 2020	December 31, 2024		0.1	3.3	5.5
Original announce:			August 17, 2015				Average	2.3	0.1	3.7	5.5

Legend:




**ANN**                    Announcement of a new product  
**GA**                      General availability of a product  
**HW WDFM**            Hardware withdrawal from marketing  
**LIC WDFM**            Licensed Internal Code withdrawal from marketing.  
**EOS**                    End of service (unsupported)

**GA to GA** - actual number of years between GA of this family and GA of the previous family  
**ANN to GA** - actual or announced number of years between ANN and GA  
**GA to HW WDFM** - actual or announced number of years between GA and HW WDFM  
**HW WDFM to EOS** - actual or announced number of years between HW WDFM and EOS

# Hardware Family Upgrade\* Paths – LinuxONE



\* see “Model Conversion” in the appropriate IBM announcement letter

-  = upgrade path no longer available
-  = to be withdrawn December 31<sup>st</sup>, 2023
-  = to be withdrawn June 30<sup>th</sup>, 2024

# z/OS 3.1 Release Overview – z/OS support summary

Release	z10 EC z10 BC <b>WdfM</b>	z196 Z114 <b>WdfM</b>	zEC12 zBC12 <b>WdfM</b>	z13 Z13s <b>WdfM</b>	z14 ZR1 <b>WdfM</b>	z15	z16	End of Service	Extended Defect Support
z/OS V2.2	X	X	X	X	X	X	X	9/20	9/23 <sup>2</sup>
z/OS V2.3			X	X	X	X	X	9/22	9/25 <sup>2</sup>
z/OS V2.4			X	X	X	X	X	9/24 <sup>1</sup>	9/27 <sup>2</sup>
z/OS V2.5				X	X	X	X	9/26 <sup>1</sup>	9/29 <sup>2</sup>
z/OS 3.1					X	X	X	9/28 <sup>1</sup>	9/31 <sup>2</sup>

## Notes:

<sup>1</sup> - All statements regarding IBM's plans, directions, and intent are subject to change or withdrawal without notice.

<sup>2</sup> - Extended support dates are projected and are subject to change or withdrawal without notice.

**WdfM** - Server has been withdrawn from Marketing

## Legend

Defect support provided with IBM  
Software Support Services for z/OS

Generally supported



IBM has historically provided service support for at least five years following a product's withdrawal from marketing. While IBM does not guarantee that any product will have a particular period of support following withdrawal from marketing, IBM does not presently plan to deviate from its historical service and support practice with the zSystems or LinuxONE product lines. However, please be aware that IBM's plans may change at its sole discretion without notice. IBM determines a product's end-of-service (EOS) date by considering a large number of factors, including, but not limited to: the number of machines installed in the geography, spare parts availability, and the availability of skilled personnel. IBM will announce a product's EOS date at least 90 days before the actual EOS date and, in most cases, longer. In some geographies, when EOS is announced, service support may still be available through a special bid.

The information shown here is based on published Canadian announcement letters as of the release date of this document.  
Although the graphic chart shows availability and service for products in the future, this may change due to future IBM announcements.  
Suggestions and comments are welcomed by the author.

Assembled by:	Don Clarke François Lord	IBM Canada Ltd. IBM Canada Ltd.	<a href="mailto:dclarke@ca.ibm.com">dclarke@ca.ibm.com</a> (retired)
Revision history:	April 16, 2010 May 3, 2010 October 1, 2010 August 25, 2011 September 5, 2012 July 23, 2013 August 7, 2014 January 14, 2015 July 14, 2015 February 16, 2016 September 23, 2016 July 17, 2017 April 10, 2018 July 10, 2018 Sept 12, 2019 April 14, 2020 June 30, 2020 Oct 13, 2020 July 13, 2021 April 5, 2022 July 26, 2022 September 13, 2022 April 4, 2023 April 25, 2023 July 11, 2023 October 10, 2023	1.0 - initial release 1.1 - years and averages added 1.2 - added z196, EOS text, title and heading changes 1.3 - added z114, z10 h/w WDFM, expanded legend 1.4 - added zEC12 1.5 - added zBC12; z800, z900, z990 EOS 1.5b - updated table year values 1.6 - added z13 1.7 - added z890 EOS 1.8 - added z13s, WDFM zEC12 & zBC12 1.9 - added z9 EC EOS; minor format changes 2.0 - added z14, LIC WDFM dates, z9 BC EOS; separate charts for EC-only and BC-only views 2.1 - added z14 ZR1, z13 and z13s WDFM dates. 2.2 - added z10 EC and z10 BC EOS. 2.3 - added z15 2.4 - added z15 T02 2.5 - added z14 3906 WDFM dates 2.6 - added z14 3907 WDFM dates, z196 EOS, LinuxONE section 2.7 - added z114 2818 EOS date, changed URL (updated October 21st, 2021) 2.8 - added z16 and upgrade charts 2.9 - added zEC12 and zBC12 EOS dates 2.10 - added LinuxONE Emperor 4 2.11 - added z16 A02/AGZ & LinuxONE Rockhopper 4 2.12 - added z15 8561 T01 & LinuxONE Emperor III LT1 WDFM dates 2.13 - added z13 2964, z13s 2965 and LinuxONE EOS dates. 2.14 - added z15 8562 T02 & LinuxONE III LT2 WDFM dates; added z/OS support chart.	

The most recent version of this document can be found at:  
<https://www.ibm.com/support/pages/node/6354755>



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